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IN THE SENATE OF THE UNITED STATES.

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LETTER  
FROM  
THE SECRETARY OF AGRICULTURE,  
TRANSMITTING

*The Report of the Bureau of Animal Industry for the year 1891.*

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DECEMBER 22, 1891.—Referred to the Committee on Agriculture and Forestry and ordered to be printed.

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U. S. DEPARTMENT OF AGRICULTURE,  
OFFICE OF THE SECRETARY,  
Washington, D. C., December 14, 1891.

SIR: I have the honor to transmit herewith a report of the operations of the Bureau of Animal Industry for the year 1891, in compliance with the requirements of section 11 of the act approved May 29, 1884, for the establishment of that Bureau.

Very respectfully,

J. M. RUSK,  
*Secretary.*

The PRESIDENT OF THE SENATE.



## OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY FOR THE YEAR 1891.

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On April 1, 1891, the force of the Bureau of Animal Industry was organized, by order of the Secretary of Agriculture, into four divisions, viz, the inspection division, the division of animal pathology, the division of field investigations and miscellaneous work, and the division of quarantine. The different branches of the work will therefore be considered under the head of the division to which each belongs.

### INSPECTION DIVISION.

To this division was assigned all work of an executive nature, including the eradication of contagious diseases, the inspection of export and import animals, meat inspection, vessel inspection, and the regulation of the movement of Southern cattle.

#### CONTAGIOUS PLEURO-PNEUMONIA.

The only disease which the Bureau has attempted to eradicate up to this time is that known as contagious pleuro-pneumonia.

During the past fiscal year the lines of work laid out at the commencement of the operations against pleuro-pneumonia have been closely followed. The success of the Bureau's plans of fighting this disease in the States of Illinois, Pennsylvania, and Maryland demonstrated that what in some other countries had proved a failure could be successfully carried out. During the year no instance of this disease has been reported from either of the three States in which the Bureau had carried on its operations, and which, as a result of these operations, had been cleared of the disease. The last case discovered in Maryland occurred in October, 1889, and while very careful watch has been kept over the slaughtering establishments in the city of Baltimore, no further cases of the disease have developed in that city, once a stronghold of pleuro-pneumonia.

Pennsylvania, likewise, has been free of disease, and the inspection of slaughterhouses, which has been continued since we removed the quarantine, has discovered no cases of pleuro-pneumonia since the removal of the quarantine above referred to. It has been deemed advisable to maintain a careful watch and constant inspection at both the stock yards and slaughterhouses in Philadelphia, owing to their proximity to the State of New Jersey, which has not yet been declared free of disease. This is a safeguard, or precautionary measure, which will be continued until the final extirpation of this disease from the entire United States.

## THE WORK IN NEW YORK.

The radical and stringent measures, both of disinfection and in the matter of the movement of animals on Long Island, adopted in the early part of last year have been strictly adhered to in that district during the past fiscal year and have proved, as expected, successful. The troubles incident to the opposition of interested parties in the infected area of Kings and Queens counties were soon lessened. The vigorous measures adopted led the parties who had before obstructed the work of the Bureau and secretly nursed contagious pleuro-pneumonia wherever possible, in order to introduce it into herds for their own profit, to realize that the Department was in earnest in its efforts to eradicate the disease and would punish all who violate the law and regulations.

The consequence has been that the disease no longer exists in these counties and that the State of New York has at last been freed from this contagion. The last case discovered on Long Island was on April 30, 1891, and seven months have therefore elapsed without the development of any further cases of the disease. While the absence of contagious pleuro-pneumonia for a period of six months has been and is considered sufficient to demonstrate the freedom of a district from the disease, and the Department would be fully warranted in removing its quarantine restrictions at this time, it is recommended, in view of the fact that the disease had existed for over fifty years in this district, that the quarantine regulations be maintained until April 30, 1892, a period of one year from the last appearance of disease.

From July 1, 1890, to June 30, 1891, there were inspected in New York 16,219 herds, containing 139,322 head of cattle; 134,464 animals were reexamined, and 40,915 were tagged with numbered tags and registered upon the books of the Bureau. There were during this period 10 new herds found infected with contagious pleuro-pneumonia, and these herds contained 172 animals, 40 of which animals were found to be diseased upon post-mortem. There were purchased for slaughter during the same time 35 affected cattle, at a cost of \$1,016.63, an average of \$29.05 per head; also 569 exposed cattle, at a cost of \$13,846.05, an average of \$24.33 per head. The smaller cost of the exposed cattle was due, as in previous years, to the fact that the amount which the owner realized for the carcasses was deducted from the appraised value, the Department paying the balance. One hundred and ninety-three stables and premises were disinfected during the year, and post-mortem examinations were made upon 10,003 head of cattle, of which 40 were found diseased with pleuro-pneumonia.

The total expenses in New York for the past fiscal year were \$105,960.19, of which \$14,862.68 was paid for cattle purchased for slaughter, as either diseased or exposed. The remainder of these expenses constitutes the cost of disinfection, inspection, tagging, registering, supervising the movement of cattle, post-mortem examinations, and all the various expenses incident to a work of this character.

## THE WORK IN NEW JERSEY.

In this State the work of suppressing pleuro-pneumonia has been continued with special vigor and strict enforcement of the regulations of the Department. The district infected has been confined to the counties of Hudson and Essex, and while the number of herds found to be diseased have been few, they have been discovered at intervals so

far apart as to have covered the fiscal year, and the time between the outbreaks has not been sufficient for us at any time to declare the disease completely eradicated. The great difficulty met with in handling pleuro-pneumonia in this State is due to the fact that the State of New Jersey has never coöperated by act of its legislature with the Bureau, nor given to the Bureau any authority to punish those who disregard the regulations of the Department. Under the State law the period of quarantine of premises in which diseased animals have been found is limited to thirty days. This is a length of time insufficient to protect new animals that may be brought upon the premises at its expiration, and this fact may account, in a large measure, for the continued existence of the disease in New Jersey. Within the past few months the Department has undertaken to itself enforce its regulations, independent of State coöperation, relying entirely upon the authority vested in it by the acts of Congress.

From July 1, 1890, to June 30, 1891, there have been inspected in New Jersey 7,697 herds, containing 61,230 head of cattle. Of this number 48,655 head were reexamined, and 6,903 tagged with numbered tags and registered upon the books of the Bureau. Only four new herds were found affected with pleuro-pneumonia during the year, containing 53 animals, 12 of which were pronounced diseased at the time the inspection was made. The total number of permits issued for the movement of cattle in this State was 1,329. There were purchased for slaughter during this period 13 head of affected cattle, at a cost of \$382, and 67 exposed cattle, at a cost of \$1,771.50. It was found necessary to disinfect but 13 premises and to make post-mortem examinations upon the carcasses of 6,208 animals, of which number only 12 were found diseased with pleuro-pneumonia.

The total expenses in New Jersey during the fiscal year were \$42,913.37, of which \$2,153.50 was paid for the purchase of cattle for slaughter because they were either diseased or had been exposed.

#### THE WORK IN MARYLAND.

The inspection of stock yards and slaughterhouses in Baltimore County, State of Maryland, was continued as a matter of precaution during the fiscal year. During this time 752 herds, containing 64,758 animals, were inspected, and 3,115 post-mortem examinations made. No disease was found during the fiscal year ending June 30, 1891, nor has any been since that time. Two years have therefore elapsed since the discovery of any pleuro-pneumonia in the State of Maryland, and there can be no question that this State is now and will be for all time to come free from contagious pleuro-pneumonia, unless the contagion is again introduced by the importation of affected cattle.

#### THE WORK IN PENNSYLVANIA.

During the past year 1,128 herds, containing 45,508 animals, were inspected in Philadelphia, and 26,750 post-mortem examinations made. As stated before, no contagious pleuro-pneumonia was found, and no cases have been found since.

#### THE WORK AS A WHOLE.

Including all the districts in which the Bureau has been carrying on its work of extirpating pleuro-pneumonia, as well as watching those districts from which it has eradicated this disease, there were inspected

during the fiscal year ending June 30, 1891, a total of 25,796 herds, containing 310,818 animals. Of this number 183,119 animals were reexamined and 47,818 were tagged with numbered tags and registered upon the books of the Bureau.

The following table gives a résumé of this work, as given in detail above:

	New York.	New Jersey.	Mary-land.	Pennsyl-vania.	Total.
Herds inspected.....	16,219	7,697	752	1,128	25,796
Cattle inspected.....	139,322	61,230	64,758	45,508	310,818
Cattle reexamined.....	134,464	48,655			183,119
Post-mortem examinations.....	24,113	6,208	3,115	26,750	60,186
Diseased carcasses found.....	40	12			52
Cattle tagged.....	40,915	6,903			47,818
New herds found affected.....	10	4			14
Animals in affected herds.....	172	53			225
Diseased cattle purchased.....	35	12			47
Exposed cattle purchased.....	569	67			636
Premises disinfected.....	195	12			207

It may be interesting to note the number of diseased and exposed cattle which have been purchased and slaughtered each year since the work for the eradication of pleuro-pneumonia was commenced, as shown by the following table:

	1886-'87.	1887-'88.	1888-'89.	1889-'90.	1890-'91.	Total.
Diseased.....	1,342	2,398	1,903	676	47	6,366
Exposed.....	1,576	5,345	4,533	3,033	636	15,178

#### MOVEMENT OF SOUTHERN CATTLE.

The mildness of last winter made it necessary to commence the control of Southern cattle coming to Northern markets at an earlier period than for the preceding year, and on February 5, 1891, the necessary order regulating the movement of cattle in this branch of our interstate commerce was issued, as follows:

#### REGULATIONS CONCERNING CATTLE TRANSPORTATION.

U. S. DEPARTMENT OF AGRICULTURE,  
OFFICE OF THE SECRETARY,  
Washington, D. C., February 5, 1891.

*To the managers and agents of railroad and transportation companies of the United States, stockmen, and others:*

In accordance with section 7 of the act of Congress approved May 29, 1884, entitled "An act for the establishment of a Bureau of Animal Industry, to prevent the exportation of diseased cattle, and to provide means for the suppression and extirpation of pleuro-pneumonia and other contagious diseases among domestic animals," and of the act of Congress approved July 14, 1890, making appropriation for the Department of Agriculture for the fiscal year ending June 30, 1891, you are hereby notified that a contagious and infectious disease known as splenetic or southern fever exists among cattle in the following-described area of the United States:

All that country lying east and south of a line commencing at the southeast corner of the Territory of New Mexico, thence running northerly along the eastern boundary of New Mexico to the southwestern corner of the county of Cochran, State of Texas; thence easterly along the southern boundaries of the counties of Cochran, Hockley, Lubbock, Crosby, Dickens, and King to the 100th meridian of longitude; thence northerly along said 100th meridian to the southern boundary of the State of Kansas; thence easterly along the southern boundary of the State of Kansas to the northeast corner of the Indian Territory; thence southerly along the eastern boun-

dary of the Indian Territory to the southwestern corner of the State of Missouri; thence easterly along the southern boundaries of the State of Missouri and the State of Kentucky and the State of Virginia to a point where said boundary is intersected by the Blue Ridge Mountains; thence in a northeasterly direction following said Blue Ridge Mountains to the southwestern corner of the county of Madison, State of Virginia; thence easterly along the southern boundaries of the counties of Madison, Culpeper, and Stafford; thence northerly along the eastern boundary of Stafford County to the Potomac River; thence following the Potomac River southerly to the Chesapeake Bay; thence easterly along the southern boundary of Maryland to the Atlantic Ocean.

From the 15th day of February to the 1st day of December, 1891, no cattle are to be transported from said area to any portion of the United States north or west of the above-described line except in accordance with the following regulations:

First. When any cattle in course of transportation from said area are unloaded north or west of this line to be fed or watered, the places where said cattle are to be so fed or watered shall be set apart, and no other cattle shall be admitted thereto.

Second. On unloading said cattle at their points of destination pens shall be set apart to receive them, and no other cattle shall be admitted to said pens; and the regulations relating to the movement of Texas cattle prescribed by the cattle sanitary officers of the State where unloaded shall be carefully observed. The cars that have carried said stock shall be cleansed and disinfected before they are again used to transport, store, or shelter animals or merchandise.

Third. Whenever any cattle that have come from said area shall be reshipped from any of the points at which they have been unloaded to other points of destination, the car carrying said animals shall bear a placard, stating that said car contains Southern cattle, and each of the waybills of said shipment shall have a note upon its face with a similar statement. At whatever point these cattle are unloaded they shall be placed in separate pens, to which no other cattle shall be admitted.

Fourth. The cars used to transport such animals and the pens in which they are fed and watered, and the pens set apart for their reception at points of destination, shall be disinfected in the following manner:

(a) Remove all litter and manure. This litter and manure may be disinfected by mixing it with lime, diluted sulphuric acid, or, if not disinfected, it may be stored where no cattle can come in contact with it until after December 1.

(b) Wash the cars and the feeding and watering troughs with water until clean.

(c) Saturate the walls and floors of the cars and the fencing, troughs, and chutes of the pens with a solution made by dissolving 4 ounces of chloride of lime to each gallon of water, or disinfect the cars with a jet of steam under a pressure of not less than 50 pounds to the square inch.

The losses resulting yearly to the owners of susceptible cattle, both in the interstate and export trade, by the contraction of this disease from exposure in unclean and infected cars and pens and by means of the manure carried in unclean cars from place to place and the threatened prohibition of our export trade by foreign governments because of the occurrence of this disease, have become a matter of grave and serious concern to the cattle industry of the United States. It is absolutely essential, therefore, that this cattle industry should be protected as far as possible by separating the dangerous cattle and by the adoption of efficient methods of disinfection.

A rigid compliance with the above regulations will insure comparative safety to Northern cattle and render it unnecessary to adopt a more stringent regulation, such as the absolute prohibition of the movement of southern cattle except for slaughter during the time of year that this disease is fatal.

Inspectors will be instructed to see that disinfection is properly done, and it is hoped that transportation companies will promptly put in operation the above methods.

Very respectfully,

J. M. RUSK,  
*Secretary.*

The quarantine line of the present year was extended from the Mississippi River east to the Atlantic Ocean, and it was endeavored as nearly as possible, and having some regard to the state lines, to follow the line of permanent infection previously established, and as published in the report of the Bureau of Animal Industry for the year 1884.

The system established by the regulations consisted in the separation of all cattle coming from south of this line at the first stock yards they entered, and the herding in separate pens, and the continuance of this separation until they were finally slaughtered. All cars carrying this class of cattle were to be placarded with signs showing that

they carried Southern cattle, and the waybills for these cars stamped with the words "from Southern fever district;" and all cars which transported this class of cattle were to be thoroughly cleaned and disinfected by the railroad companies before being again used for the transportation of cattle.

Some idea of the amount of work done by the Bureau in supervising the movement of Southern cattle may be had from the fact that 57,269 car loads, comprising 1,575,589 head of cattle, were inspected and kept separate and distinct during their transportation over the various railroads and through the different stock yards of the country.

It was not possible during the present season to maintain as rigid an inspection of the work of disinfecting cars, performed by the railroad companies, as was necessary to insure absolute safety in this traffic. The Department was compelled in a measure to rely upon the railroad companies for an observance of this part of the regulations and for the thoroughness of the work. While a large number of the railroad companies cheerfully complied with the regulations as to cleaning cars, and endeavored to carry them out thoroughly, it is also true that others were careless in attending to this matter, while still others failed to observe these regulations at all. The consequence, therefore, has been that while the outbreaks of Texas or Southern fever have been greatly diminished during the present season, they have still occurred in various parts of the country, and cases have occurred among cattle in our export trade. This is due to the failure of some railroads to comply with the regulations as to cleaning cars and their use of unclean cars for cattle transportation.

In the export trade there has been reported up to the present time a total of 524 head of cattle affected with Southern fever. These cattle were, for the most part, infected through unclean cars, and it became necessary for the Department to schedule one railroad, which had failed to comply with the regulations against the carrying of export cattle, and to issue positive instructions to our inspectors at interior yards that no cattle should be tagged or export granted unless the cars supplied by the railroads for their transportation were cleaned and disinfected immediately prior to their loading.

It is necessary that Congress enact some legislation to compel railroad companies to comply with the regulations for cleaning and disinfecting cars that have carried Southern cattle, before this disease can be entirely prevented. At present there is no penalty or provision of law by which railroad companies can be held to a strict compliance with this rule, and the only means at the disposal of the Department is as regards export cattle, for which certificates of clearance may be refused if this rule is not complied with.

In the early part of the season urgent requests were made by the State authorities of Colorado and Wyoming that the Department permit cattle from south of its line to go into said States for grazing purposes. The line of inspection as established by these two States was considerably farther south than the line adopted by the Department, and it was claimed by them that their line was absolutely safe, and that they would assume all responsibility for any disease that might be taken into their States by the cattle shipped from this disputed area. For reasons which seemed at the time to possess sufficient weight this request was granted, and cattle were allowed to go from the area of country between the two lines to Colorado and Wyoming for grazing purposes, but upon condition that the same should be transported by

rail and not allowed to cross ranges or trails of other cattle, nor be shipped to market until after December 1, 1891, as stated in the following order:

**U. S. DEPARTMENT OF AGRICULTURE,  
OFFICE OF THE SECRETARY,  
Washington, D. C., April 23, 1891.**

Notice is hereby given that cattle which have been at least ninety days in the area of country hereinafter described may be moved from said area by rail into the States of Colorado, Wyoming, and Montana, for grazing purposes, in accordance with the regulations made by said States for the admission of southern cattle thereto.

*Provided:* (1) That cattle from said area shall go into said States only for slaughter or grazing, and shall on no account be shipped from said States into any other State or Territory of the United States before the 1st day of December, 1891. (2) That such cattle shall not be allowed in pens or on trails or ranges that are to be occupied or crossed by cattle going to the Eastern markets before December 1, 1891, and that these two classes of cattle shall not be allowed to come in contact. (3) That all cars which have carried cattle from said area shall, upon unloading, at once be cleaned and disinfected in the manner provided by the regulations of this Department of February 5, 1891. (4) That the State authorities of the States of Colorado, Wyoming, and Montana agree to enforce these provisions.

The area from which cattle may go into the States of Colorado, Wyoming, and Montana by rail for grazing, as above provided, is as follows: All that area included within the following boundary lines, viz: Commencing at the southeast corner of the Territory of New Mexico; thence running northerly along the easterly boundary of New Mexico to the southwestern corner of the county of Cochran, State of Texas; thence easterly along the southern boundaries of the counties of Cochran, Hockley, Lubbock, Crosby, Dickens, and King, to the one hundredth meridian; thence northerly along said one hundredth meridian to the Red River, where it crosses the eastern boundary of the county of Childress; thence following said Red River to the northwest corner of the county of Wichita; thence along the eastern boundaries of the counties of Wilbarger, Baylor, Throckmorton, and Shackelford; thence west along the southern boundary of Shackelford County; thence south along the eastern boundaries of Taylor, Runnels, Concho, Menard, and Kimble counties; thence west along the south lines of Kimble, Sutton, and Crockett counties; thence south along the east line of Pecos County to the Rio Grande River; thence along the Rio Grande River to the one hundredth meridian, and thence northerly along said meridian to the point of beginning.

*J. M. RUSK,  
Secretary.*

It transpired that, notwithstanding the representations made by the authorities of these two States, cattle shipped from south of the Department's line and north of their line disseminated Texas fever in both Colorado and Wyoming, and there were considerable losses among the native cattle of these two States by infection from the southern cattle introduced under this arrangement. It appears, therefore, that the line adopted by the Department can not be materially changed without grave danger to the cattle industry.

#### INSPECTION OF EXPORT ANIMALS.

This work has been continued under the provisions of the act of Congress of August 30, 1890, and covers the inspection of animals at interior stock yards, the tagging of animals at these points with numbered metal tags, and the collection and recording of a history of the animals at the time of tagging, the reinspection of these animals at the port of export, and the loading of the same on board vessels.

The following tables show the details of this work for the fiscal year ending June 30, 1891:

*Animals tagged and inspected for export from the commencement of such work November 15, 1890, to close of the fiscal year 1891.*

Place.	Export cattle tagged.			Export cattle inspected.			Cattle rejected on inspection, on account of disease.	Export sheep inspected Jan. 1 to June 30, 1891.
	Nov. 15 to Dec. 31, 1890.	Jan. 1 to June 30, 1891.	Total.	Nov. 15 to Dec. 31, 1890.	Jan. 1 to June 30, 1891.	Total.		
New York, N. Y.	9,844	10,781	20,625	19,368	57,769	77,137	50	7,477
Boston, Mass.	6,143	17,771	23,914	15,620	48,231	63,851	30	1,529
Portland, Me.	3	3	6	412	1,797	2,209	1	
Baltimore, Md.	10,589	11,761	22,350	11,639	33,513	45,152	4	1,643
Newport News, Va.	1,950	7	1,957	2,890	1,831	4,721	1	
West Point, Va.	499	1	500	541	350	891	0	
Norfolk, Va.	337		337	337	325	662	0	
Philadelphia, Pa.	801	1,170	1,971	1,284	6,561	7,845	0	709
New Orleans, La.		250	250		250	250	0	
Chicago, Ill.	18,643	103,463	122,106	18,643	103,463	122,106	78	10,486
Buffalo, N. Y.	4,501	4,784	9,283	4,501	15,114	19,615	7	
Pittsburg, Pa.	18	384	402	2,918	12,081	14,999	0	
Aggregate.....	53,328	150,375	203,703	78,153	281,285	359,438	171	21,814

*Exports of domestic cattle to Europe during the fiscal year ending June 30, 1891.*

Port of export.	Great Britain.	Germany.	Belgium.	France.	Total.
<b>Six months ending Dec. 31, 1890:</b>					
New York, N. Y.	83,411	1,390	3,009	3,223	91,033
Boston, Mass.	58,727	137	802		59,666
Baltimore, Md.	40,985	368	1,602	703	43,658
Philadelphia, Pa.	7,982				7,982
New Orleans, La.	189				189
Portland, Me.	412				412
Norfolk, Va.	686				686
Newport News, Va.	5,616	185	352	1,327	7,480
West Point, Va.	1,496				1,496
Total.....	199,504	2,080	5,765	5,253	212,602
<b>Six months ending June 30, 1891:</b>					
New York, N. Y.	53,552	2,539	552	299	56,942
Boston, Mass.	47,871	360			48,231
Baltimore, Md.	32,376	539	265	333	33,513
Philadelphia, Pa.	6,561				6,561
New Orleans, La.	250				250
Portland, Me.	1,797				1,797
Norfolk, Va.	325				325
Newport News, Va.	1,831				1,831
West Point, Va.	350				350
Total.....	144,913	3,438	817	632	149,800
Aggregate, fiscal year 1891 .....	344,417	5,518	6,582	5,885	362,402

The exports of cattle for the fiscal year ending June 30, 1891, show a decrease of  $3\frac{3}{4}$  per cent compared with the exports for the fiscal year ending June 30, 1890. The total exports for 1891 amounted to 362,402, as against 372,691 for the preceding fiscal year. The cause of this decrease in exports is undoubtedly due to the increase in prices of cattle in this country during the latter part of the fiscal year, cattle bringing in June, 1891, from \$1.25 to \$1.50 per 100 pounds more than in June, 1890.

## INSPECTION OF IMPORTED ANIMALS.

The act of August 30, 1890, provides for the inspection of all imported cattle, sheep, and swine arriving in the United States. This work was inaugurated by the Bureau immediately after the passage of the act, and has been continued in accordance with our regulations. Inspection stations have been established along the Canadian border, and the three quarantine stations along the Atlantic seaboard, which were already in existence, have been maintained under the direction of the quarantine division.

At the commencement of this work stations were established along the Mexican border, but since the provisions of the present tariff law went into effect no importations of cattle, sheep, or swine have been made from Mexico, and for this reason these stations were discontinued. The total number of animals inspected to June 30, 1891, imported at our Canadian stations, were 2,218 cattle, 44,948 sheep, and 29 swine. At the quarantine stations on the Atlantic seaboard there were imported and quarantined for ninety days 45 cattle imported for breeding purposes; also 776 sheep and 70 swine quarantined for fifteen days.

Owing to the failure of the Dominion of Canada to provide for the quarantine of sheep arriving in that country from countries infected with foot-and-mouth disease, the Secretary of Agriculture on May 19, 1891, issued an order quarantining all sheep and swine imported from Canada into the United States for a period of fifteen days, as follows:

U. S. DEPARTMENT OF AGRICULTURE,  
OFFICE OF THE SECRETARY,  
*Washington, D. C., May 19, 1891.*

Whereas, under the act of Congress approved August 30, 1890, it has been provided by the Department of Agriculture, in order to protect the sheep and swine of the United States from contagious diseases now existing in foreign countries, that all sheep and swine imported from Great Britain and the continent of Europe must be held in quarantine for a period of not less than fifteen days; and

Whereas the Dominion of Canada makes no requirement of quarantine for sheep and swine imported into that country from Great Britain or the continent of Europe; and

Whereas to permit importations of these animals from Canada into the United States without quarantine would be dangerous to the stock interests of the United States, owing to the failure on the part of the Canadian authorities to enforce this measure of protection, and would enable importers to evade the quarantine at United States ports; therefore it is

*Ordered*, That all sheep or swine to be imported from Canada into the United States are hereby made subject to the regulations of the Department of Agriculture of date October 13, 1890, and the exception contained in the third and sixth regulations of said date, as applicable to Canadian sheep and swine, is hereby rescinded, and all animals named in said regulations, except cattle imported from Canada, are subject to the same conditions and requirements as if they were imported into the United States from Great Britain or the continent of Europe.

J. M. RUSK,  
*Secretary.*

Some time thereafter the Dominion of Canada, by an order of Council, established a quarantine of fifteen days on all sheep and swine imported into said Dominion from Great Britain or the continent of Europe. As this quarantine of the Canadian Government corresponded with that adopted by the Department of Agriculture of the United States, the following order was issued on June 25, 1891, rescinding the order of May 19:

U. S. DEPARTMENT OF AGRICULTURE,  
OFFICE OF THE SECRETARY,  
*Washington, D. C., June 25, 1891.*

Whereas, on May 19, 1891, the Department of Agriculture, under the act of Congress approved August 30, 1890, issued an order providing that all sheep and swine to be imported from the Dominion of Canada into the United States should be sub-

ject to a quarantine of fifteen days at the port of entry, this order being issued upon the ground, as stated therein, that the Dominion of Canada had made no provision for a quarantine for sheep and swine imported into that country from Great Britain or the continent of Europe; and

Whereas the said Dominion of Canada, on the 6th day of June, 1891, by an order in Council, duly established a quarantine of fifteen days on all sheep and swine imported into said Dominion from Great Britain or the continent of Europe; now, therefore, it is

*Ordered*, That the quarantine of sheep and swine imported from Canada into the United States required by the aforesaid order of May, 1891, is hereby removed, and sheep and swine may be imported from Canada into the United States without quarantine: *Provided*, On inspection of said sheep or swine at the ports of entry they are found to be free of disease: *And provided further*, That sheep or swine imported into the United States from Great Britain or the continent of Europe through Canada shall have been held in quarantine by the Canadian Government for fifteen days, and the importer shall produce at the port of entry into the United States a certificate from the proper quarantine officer of said Government showing the fact of said quarantine.

J. M. RUSK,  
Secretary.

The only contagious disease found among animals imported at our quarantine stations during the past year was among a shipment of 22 Southdown sheep from England, which entered at our quarantine station at Garfield, N. J., and in which shipment were 11 animals affected with foot-rot. This shipment was detained in quarantine until the disease had entirely disappeared. The only other instance of disease occurred in a shipment of sheep from Canada, imported at Island Pond, Vt., in which were found 5 cases of foot-rot out of a shipment of 102 head. These were treated in the same manner as the sheep found diseased at the Garfield Quarantine Station.

The following tables show the results of the inspection of imported animals in detail:

*Imported animals inspected by inspectors of the Bureau of Animal Industry from the commencement of inspections, November 15, 1890, to close of the fiscal year 1891.*

Port of entry.	November 15 to December 31, 1890.			January 1 to June 30, 1891.			Total.		
	Cattle.	Sheep.	Swine.	Cattle.	Sheep.	Swine.	Cattle.	Sheep.	Swine.
Portland, Me .....		102						102	
St. Albans, Vt .....				1,618			1,618		
Island Pond, Vt .....				383			383		
Newport, Vt .....				86			86		
Ogdensburg, N. Y .....		347		8	3	3	8	550	3
Cape Vincent, N. Y .....	1	1,080		7	43	3	8	1,123	3
Morristown, N. Y .....				6			6		
Buffalo, N. Y .....		23,210		6	19,058		6	42,268	
Suspension Bridge, N. Y .....				14	84	2	14	84	2
Detroit, Mich .....				24	58	4	24	58	4
Port Huron, Mich .....	3	168		62	573	17	65	741	17
Brownsville, Tex .....		22						22	
Aggregate .....	4	25,129		2,214	19,819	29	2,218	44,948	29

NOTE.—This statement does not include imported live stock received at the quarantine stations located on the seaboard.

#### INSPECTION IN GREAT BRITAIN.

The inspection, by American veterinarians, of American cattle landed at the foreign animal wharves in Great Britain has been continued during the present year. It had been frequently alleged by the British Government that our cattle arriving in that country were affected with

contagious pleuro-pneumonia, and their inspectors were continually reporting the arrival of diseased animals. The last report of the chief veterinary surgeon of Great Britain, for example, states that 14 animals from America had been found affected with contagious pleuro-pneumonia during 1890.

To ascertain upon what foundation these allegations were based, the Department established this transatlantic inspection in August, 1890. During its continuance but three cases of alleged pleuro-pneumonia have been reported by the British inspectors. The report of the American inspectors on these cases was to the effect that the disease was not contagious pleuro-pneumonia, but a form of interstitial pneumonia; and a consideration of all the facts, together with an examination of portions of the lungs forwarded to the Department by our inspectors, satisfied the chief of the Bureau of Animal Industry that the claim of the British authorities could not be maintained.

The position taken by the American inspectors was confirmed by Prof. Williams, principal of the New Veterinary College, Edinburg, one of the most eminent veterinarians in the profession, as well as by his son, a professor in the same institution, and by Dr. J. E. Ryder, member of the American Veterinary College, who was in England at the time. As the history of animals alleged to be affected with this disease is of the greatest importance in reaching a correct diagnosis, every effort was made to obtain this in the most complete and reliable form. The animals claimed to have been affected were tagged in this country prior to their export, and the names of the owners, feeders, and the locality from which they came were recorded in the books kept by the Bureau. Obtaining, therefore, the tag numbers of these animals from our inspector abroad, we were enabled to make a careful investigation of their history and trace them back to the farms on which they were reared. The result of this investigation demonstrated clearly that there had not been any disease of this character in the locality or neighborhood from which these animals came, nor on the farms upon which they were born and reared; nor had there been any possibility of exposure to the disease in course of transportation to the port of export. This history, in connection with the diagnosis of our inspectors, clearly established the fact that the claim made by the British authorities could not possibly be maintained.

In this connection it might be well to observe that these cases and other cases of alleged pleuro-pneumonia claimed to have been found by the British authorities occurred during the winter and spring months, at a time when cattle in the course of transportation across the Atlantic were exposed to storms and severe cold weather, tending to develop lung trouble and pneumonia in other forms than that of a contagious character. It is, therefore, safe to conclude that all the alleged cases of this disease said to have been found by the British veterinarians among American cattle were simply forms of pneumonia caused by the exposure incident to a voyage across the Atlantic during a cold and stormy period of the year.

The total number of animals inspected by our veterinarians stationed in Great Britain from the time of their commencement of work to June 30, 1891, was 289,745 head of cattle and 6,989 sheep.

The following table shows the work of inspecting at British ports for the fiscal year ending June 30, 1891:

*Losses at sea and number of domestic cattle and sheep inspected by the inspectors of the Bureau of Animal Industry at London, Liverpool, and Glasgow from the commencement of inspections at those ports August 16, 1890, to June 30, 1891.*

Port.	Cattle.						Sheep, May 1 to June 30, 1891.	
	Aug. 16 to Dec. 31, 1890.		Six months ending June 30, 1891.		Total.		Inspected.	Loss at sea.
	Inspected.	Loss at sea.	Inspected.	Loss at sea.	Inspected.	Loss at sea.		
London .....	57,874	1,742	60,466	877	118,340	2,619	2,149	30
Liverpool .....	71,339	527	69,518	551	140,857	1,078	3,397	90
Glasgow .....	14,859	498	15,689	548	30,548	1,046	1,443	1
Aggregate...	144,072	2,767	145,673	1,976	289,745	4,743	6,989	121

Aggregate loss: Cattle,  $1\frac{1}{2}$  per cent; sheep,  $1\frac{7}{16}$  per cent.

#### VESSEL INSPECTION.

Under the act of March 3, 1891, this Department was empowered to regulate the fittings of vessels carrying export cattle from the United States to foreign countries, and on June 6, 1891, the following regulations, designed to promote the better carrying of cattle, the more humane treatment of the same, and to insure their arrival at points of destination in better condition, were promulgated:

U. S. DEPARTMENT OF AGRICULTURE,  
OFFICE OF THE SECRETARY,  
Washington, D. C., June 6, 1891.

Pursuant to the authority invested in the Secretary of Agriculture by virtue of an act of Congress approved March 3, 1891, entitled "An act to provide for the safe transport and humane treatment of export cattle from the United States to foreign countries, and for other purposes," the following regulations are hereby prescribed for vessels engaged in the transportation of cattle from the United States to foreign countries:

(1) The owners, agents, or master of any vessel desiring to transport cattle from any port of the United States will make application to the Secretary of Agriculture at Washington, D. C., for a certificate of register. Said application shall be made upon a blank form furnished by the Department of Agriculture, to be filled out by the applicant, and on receipt of the same the Secretary of Agriculture will direct the veterinary inspector in charge of the port from which said vessel is to clear to examine said vessel, and if the same has complied with the regulations hereinafter prescribed a certificate of registry will be issued, good for the term of one year, which will entitle said vessel to engage in the trade of carrying export cattle and will state the number of cattle which said vessel may transport: *Provided, however,* That any certificate of registry issued shall be subject at any time to cancellation upon the violation of any of these regulations by said vessel, and that the veterinary inspector of the port may from time to time make such changes in the fittings of said vessel as in his judgment may seem necessary.

#### SPACE.

(2) Cattle carried on the upper or spar deck must be allowed a space of 2 feet 6 inches in width by 8 feet in depth per head. No more than four head of cattle will be allowed in each pen. Cattle loaded between decks must be allowed a space of 2 feet 8 inches in width by 8 feet in depth, no more than four head being allowed in each pen, except at the end of a row, where five may be allowed together.

(3) Vessels will be allowed to carry three deck loads of cattle, but where it is desired to carry cattle on the lower or steerage deck special permission must be obtained from the inspector, which will only be granted in cases where said deck is provided with sufficient ventilation, as hereinafter prescribed.

## UPPER-DECK FITTINGS.

(4) *Stanchions, wooden.*—Stanchions must be of good, sound timber, 4 by 6 inches, placed at proper distances from centers, against ship's rail and inside stanchions, in their proper place directly in line with outboard stanchions, to be set up so that the 6-inch way of the stanchion shall set fore and aft. A proper tenon shall be cut on the head of same to receive the thwart-ship beam; the tenon not to be less than 3 inches in length and the shoulder not less than  $2\frac{1}{2}$  inches on each side of the stanchion, thus leaving the tenon  $1\frac{1}{2}$  inches thick. A piece of 2 by 3 inches or 2-inch plank shall be fastened to outside of stanchion and run up to underneath rail to chock stanchion down and prevent lifting when beam is sprung to crown of deck. Open-rail ships shall be blocked out on backs of stanchions fair with the outside of rails to receive the outside of planking. Where upper deck fittings are not permanent, the heels of outside stanchions shall be secured by a bracing of 2 by 3 inch sound lumber from the back of each stanchion to shear-streak or water-way, the heels of inside stanchions being properly braced from and to each other. Bulwark stanchions must also be extra stanchioned by raking shores running diagonally from the top of the stanchions to the deck.

*Stanchion, iron.*—These may be used in place of wooden stanchions and should be not less than 2 inches in diameter, set in iron sockets above and below and fastened with nut and bolt.

*Hook bolts or clamps.*—Hook bolts or clamps must be made of  $\frac{1}{2}$ -inch wrought iron, with hook on outboard end and thread and nut on inboard end, to pass over and under rail and through outboard stanchion and set up on the inside of same with a nut. These bolts may be double or single. If double, then no thread or nut is necessary, but the stanchion will lie shipped through it, thus double hooking the rails. This will be found very useful where funnels or other deck fittings come in the way of beams passing from side to side of ship.

*Beams.*—Beams must be of good, sound lumber, 3 by 6 inch, to run clear across the ship beam where practicable. Should anyhouse or deck fittings be in the way, then butt up closely to same. These beams shall have a  $1\frac{1}{2}$  by 4 inch mortise cut in to receive the tenon of each and every stanchion, and to take the same crown as deck of ship by springing down to shoulder of outside stanchions, and to be properly pinned or nailed to tenon and wedged tightly afterward. The mortises shall be cut not less than 6 inches from outside ends of beams and a piece nailed on outside of same and trimmed off fair with beam ends to prevent splitting.

*Diagonal braces from stanchions to beams.*—Diagonal braces shall be fastened on each stanchion on both sides of same, running up to top side of beam and properly secured by well nailing to both stanchion and beam.

*Headboards.*—Headboards shall be not less than 2 by 10 or 3 by 8 inches, of good, sound lumber, and secured to every stanchion by  $\frac{1}{2}$ -inch screw bolts passing through same and set up on same with a nut. Where headboards butt on a stanchion a piece of  $1\frac{1}{2}$ -inch lumber (pine) shall be placed over the butts, like a butt strap, the bolts to go through same and be set up with a nut on the stanchions. These headboards can be placed on either side of the stanchions. All headboards shall have  $1\frac{1}{2}$ -inch holes bored through them at proper distance, to tie the animals.

*Footboards.*—Footboards shall be of the same material as headboards, properly nailed or bolted to stanchions on the inside of same.

*Division boards.*—Division boards shall be of 2-inch sound lumber, fitted so as to be removable at any time, and so arranged as to divide the animals into lots of 4, thus making compartments for this number all over the vessel. These division boards may be fitted perpendicularly or horizontally.

*Flooring.*—Flooring shall be of 1-inch boards, laid fore and aft on ships with wooden decks at the option of the owners. Iron-decked ships shall be sheathed with 2-inch spruce, hemlock, or yellow pine, or with 1-inch hemlock; but if 1-inch hemlock is used, then the foot-locks shall be 3 by 4 inches, to be laid so that they will properly secure the 1-inch boards, thus preventing them from slipping and at the same time acting as foot-locks by showing a surface of 2 by 4 inches to correspond with the 2 by 3 inches. It is optional with the owners whether they permit sheathing to be used on their ships with wooden decks or whether they allow foot-locks to be secured to the deck. But on iron decks it is absolutely necessary (if permanent foot-locks are not down) to sheath them before putting down the foot-locks, in order to fasten same. Cement can be used instead of wood sheathing, and foot-locks molded in same.

*Foot-locks.*—Foot-locks shall be of good sound lumber, size 2 by 3 inches or 3 by 4 inches hemlock, laid fore and aft of ship, placed 12 inches, 14 inches, 2 feet 2 inches, and 14 inches apart, the first one distant 12 inches from inside of foot board, filled in athwart ships opposite each stanchion, properly secured to sheathing or deck, and secured by a batten to go over all from stanchion to stanchion. When troughs are used, foot-locks will be placed 17, 16, 22, and 16 inches apart.

*Outside planking.*—All outside planking on open and closed railed ships must be properly laid fore and aft of ship and nailed to the backs of stanchions, as close as possible for the cold season, and for the warmer months the top course planking shall be left off fore and aft of ship in order to allow a free circulation of air. Nothing less than 2-inch spruce or 1½-inch yellow pine is to be used for this purpose. There shall be placed over each seam of outside planking a 1 by 5-inch batten securely nailed thereto, which will help to exclude wind and water.

#### PLANKING OF SHELTER DECK TO BE ERECTED ON SPAR-DECKED SHIPS.

The plank to be nailed on this deck is simply to shelter the cattle, and it should be laid with 1½-inch sound lumber.

#### PLANKING OF SHELTER DECK TO ERECTED ON WELL-DECK SHIPS.

The plank to form the shelter deck on well-deck ships shall be laid with 2-inch sound lumber sufficient to cover cattle. This plank shall be laid as closely as possible and well nailed to the beams, thus making a good deck from which to work the ship's gear.

*Nails.*—No nails less than 20-penny shall be used in foot-locks or where 2-inch material is used. Twelve-penny nails can be used in 1½-inch plank or under.

#### UNDER-DECK FITTINGS.

*Stanchions.*—Stanchions shall be of good, sound lumber, 4 by 6 inch, set up at proper distances from centers so that the 6-inch way of same shall stand fore and aft and jammed in tight between the two decks, properly braced on head and from side to side of ship; this bracing shall be of 2 by 3-inch spruce or yellow pine and be properly butted against each stanchion. Where it is found impracticable to run these braces across ship by reason of hatches, etc., coming in the way, then they shall be well braced from hatch combings and from the obstruction which prevents running braces from side to side. The heads of these stanchions shall be braced fore and aft by 2 by 3 inch pieces well nailed on each stanchion and running fore and aft close up to the lower edge of the ship beams and butted at each end of compartment and against themselves, or chocked in underneath beam and well nailed to heads of stanchions. If upper and lower decks are wood, then the stanchions set up between decks may be secured by well cleating to each deck at heads and heels of same.

*Headboards.*—Headboards shall be of the same dimensions as those on the upper deck and fastened in the same manner, with 1½-inch holes bored at right distances to tie animals.

*Footboards.*—Footboards shall be of same dimensions as those on upper deck, and fastened in the same manner.

*Division boards.*—Division boards shall be fitted perpendicularly or horizontally, and arranged so that they divide the animals into pens of four, or at end of row, into pens of five, and shall ship or unship by forming a slide on cargo battens to head and footboards or on stanchions.

*Flooring.*—Where ships have decks of wood it shall be optional with owners whether they have boards put down to protect decks or whether they allow the foot-locks to be nailed to the ship's deck. (Permanent foot-locks may be put down). If the decks are of iron, then wooden flooring must be laid either of 2-inch spruce with 2 by 3 inch foot-locks, or of 1-inch hemlock with 3 by 4 inch foot-locks, same as provided for upper decks. Cement may also be used instead of wood flooring, molding the foot-locks in their proper places between same.

*Foot-locks.*—Foot-locks may be put down any size over 2 by 3 inches, but nothing under this size shall be used. They should be laid fore and aft of ship at distances mentioned in upper-deck fittings, and be well fastened to either deck or flooring, or to themselves, and properly filled in athwart ships between stanchions, same as on upper deck.

*Troughs.*—Suitable troughs may be formed on the footboards about 12 inches wide, when required, by nailing footboard on outside of stanchion and fitting up on the inside.

*Casing for steering gear.*—A suitable casing must be placed over the ship's steering gear when found necessary.

*Alleyways.*—Alleyways between the pens must not be less than 18 inches, unless otherwise authorized by inspectors.

## VENTILATION.

(5) Each compartment containing cattle must have at least four bell-mouthed ventilators, of not less than 18 inches inside diameter, and with tops exceeding 7 feet in height, two situated at each end of the compartment.

(6) Vessels desiring to carry cattle on third deck may obtain special permit from the inspector of the port, when said vessel is fitted same as second deck and properly ventilated.

(7) No cattle shall be loaded along the alley ways by engine room unless side of said engine room is covered by 1½-inch grooved and tongued lumber, making a 3-inch air space.

(8) No cattle shall be loaded on hatches on decks above cattle, nor shall any merchandise, freight, or food for cattle be loaded on said hatches, but said hatches shall at all times be kept clear.

(9) Only two days' feed for cattle, at the discretion of port inspectors, shall be allowed to be carried on deck, properly covered, and this must be the first feed used.

(10) All vessels will carry not less than 4 hogsheads, of over 100 gallons capacity, for each 100 head of cattle, and these shall be filled with fresh water before sailing and refilled as emptied.

(11) Vessels will require shippers to furnish a foreman to be in charge of cattle, and one cattleman for each 25 head of animals shipped. Three-fourths of the men in charge of a shipment of cattle must be experienced men who have made previous trips with cattle, and who must satisfy the veterinary inspector of the port, by satisfactory evidence, that they are capable and reliable. Shippers will notify the inspector of the port, two days before the sailing of a vessel, of the name of the foreman to be in charge of their shipment and of the names of the attendants, and the veterinary inspector will certify said men to the captain of the vessel, if he has reason to believe they are reliable. The captain of the vessel will report to the veterinary inspector of the port on his return as to the conduct and efficiency of each of the men in charge of cattle on his previous trip, and such men as have been found to be unsuited to be in charge of cattle will thereafter be refused certification to go with any shipment of cattle by the inspector of the port.

(12) Cattle will be tied with  $\frac{3}{4}$ -inch rope, which shall not be used more than once.

(13) On vessels having false decks upon which cattle are loaded, these must be removed and the manure and dirt cleaned from underneath, before receiving another cargo of cattle.

(14) No vessel will be allowed to take on board any cattle for export unless the same have been at the port of embarkation at least twenty-four hours before the vessel sails, except in special cases and by direction of inspector.

(15) The inspector of the port may, in case he finds any of the fittings are worn, decayed, or appear to be unsound, require the same to be replaced before he clears the vessel. He will also supervise the loading of cattle and see that they are properly stowed and tied, and that all the requirements of these regulations have been complied with.

J. M. RUSK,  
*Secretary.*

The various steamship companies engaged in this traffic have very cheerfully accepted these regulations, and, at some expense, have remodeled their vessels so as to comply with them. The result so far of the vessel inspection regulations has been to reduce losses from suffocation and weak fittings in vessels. The total number of vessels examined from July 1 to September 19, 1891, was 215, of which 98 sailed from the port of New York, 52 from the port of Boston, 42 from the port of Baltimore, 15 from the port of Philadelphia, and 8 from the port of Newport News.

## MEAT INSPECTION.

The most important work of the Bureau, placed upon it by the act of Congress of March 3, 1891, is that of meat inspection; important not only in view of the vast amount of work necessary to carry the provisions of this law into operation, but from its effect upon the commerce of the nation and the health of our people. The act of Congress of August 30, 1890, provided for the inspection of salted pork and bacon. It was the intention of Congress in passing this measure to enact a law

which would enable this Government to so certify to the wholesomeness of our pork products that it would entitle them to entry into foreign countries. The provisions of this act, however, referred more particularly to an inspection which would determine the character and manner in which these products were packed and their condition at time of shipment, and did not reach to the more important object of determining whether the animals from which they came were diseased or not at the time of slaughter. The consequence was that foreign governments refused to recognize such inspection or certificates issued thereunder as sufficient to warrant the removal of the prohibition which they had for many years maintained against American pork.

In prescribing, therefore, regulations under the act of March 3, 1891, provision was made for a microscopic examination of hogs at time of slaughter, in order to certify that the same were free of the animal parasite called *Trichina spiralis*. In addition to the provisions for microscopic inspection of pork, the regulations provided for an examination at time of slaughter, by veterinary surgeons, of all animals slaughtered for export or interstate trade, the condemnation of animals found to be diseased, and the proper identification of carcasses and the products of the same which entered into these two classes of our commerce.

The regulations governing the work of meat inspection are as follows:

U. S. DEPARTMENT OF AGRICULTURE,

OFFICE OF THE SECRETARY,

Washington, D. C. March 25, 1891.

The following rules and regulations, being additional to the rules and regulations heretofore made under the act of Congress approved August 30, 1890, are hereby prescribed for the inspection of live cattle, hogs, and their carcasses, by virtue of the authority conferred upon the Secretary of Agriculture under the provisions of the act of Congress approved March 3, 1891, entitled "An act to provide for the inspection of live cattle, hogs, and the carcasses and products thereof which are the subjects of interstate commerce, and for other purposes."

EXPORT-CATTLE INSPECTION.

(1) The order and regulations providing for the inspection of export cattle and sheep, made October 20, 1890, under the provisions of section 10 of the act of Congress approved August 30, 1890, are hereby continued in full force and effect, the same as if made under the provisions of the act of March 3, 1891, and all exporters, to secure clearance for their shipments of cattle, must comply strictly with the said regulations.

MEAT INSPECTION.

(2) The proprietors of slaughterhouses, canning, salting, packing, or rendering establishments, engaged in the slaughter of cattle, sheep, or swine, the carcasses or products of which are to become subjects of interstate or foreign commerce, will make application to the Secretary of Agriculture for inspection of said animals and their products.

(3) The said application must be in writing, addressed to the Secretary of Agriculture, Washington, D. C., and shall state the location and address of the slaughterhouse or other establishment, the kind of animals slaughtered, the estimated number of animals slaughtered per week, and the character and quantity of the products to go into interstate or foreign commerce from said establishment; and the said applicant in his application shall agree to conform strictly with all regulations or orders that may be made by the Secretary of Agriculture for carrying on the work of inspection at such establishment.

(4) The Secretary of Agriculture, upon receipt of said application and after consideration thereof, will give said establishment an official number, by which all its inspected products will thereafter be known, and this number will be used both by the inspectors of the Department of Agriculture and by the owners of said establishment to mark the products of the establishment as hereinafter prescribed.

(5) The Secretary of Agriculture will appoint and designate a veterinary inspector to take charge of the examination and inspection of animals and their products for each establishment which has been officially numbered, as prescribed by Rule 3, and

will detail to such inspector such assistants or other employés as may be necessary to properly carry on the work of inspection at said establishment. The inspector appointed, and all employés under his direction, shall have full and free access at all times to all parts of the building or buildings used in the slaughter of live animals and the conversion of their carcasses into food products.

(6) The veterinary inspector in charge of said establishment will carefully inspect all animals in the pens of said establishment about to be slaughtered, and no animal shall be allowed to pass to the slaughtering room until it has been so inspected. Whenever any animal is found on said inspection to be diseased, said animal shall thereupon be condemned by the inspector, and the owner of the same shall at once remove it from the premises and dispose of it in such manner as may be provided by the laws of the State in which said animal is located.

(7) The veterinary inspector or his assistant shall carefully inspect at time of slaughter all animals slaughtered at said establishment, and make a post-mortem report of the same to the Department. Should the carcass of any animal on said post-mortem examination be found to be diseased and unfit for human food, the said carcass shall at once be removed from said establishment under the supervision of the inspector and be disposed of in the manner provided by the laws of the State where slaughtered. Any owner of any establishment in which inspections are being made under the provisions of the act of March 3, 1891, who shall willfully cause or permit any animal which, upon inspection, has been found to be diseased to remain on said premises beyond the time allowed by the inspector in charge for its removal, shall forfeit his right to inspection, and said establishment will, for such time as the Secretary may direct, be refused certificates of inspection upon its products.

(8) The carcasses of cattle which leave said establishment as dressed beef will be stamped by said inspector with a numbered stamp issued by the Department of Agriculture, and a record of the same will be sent to the Department at Washington.

(9) Each and every article of food products made from the carcasses of animals inspected will be labeled or marked in such manner as the owner of said establishment may direct; said label, however, must bear the official number of the establishment from which said product came and also contain a statement that the same has been inspected under the provisions of the act of March 3, 1891.

A copy of said label must be filed at the Department of Agriculture, Washington, D. C., and, after filing, said label will become the mark of identification showing that the products to which it has been attached have been inspected, as provided by these rules and regulations; and any person who shall forge, counterfeit, alter, or deface said label will be prosecuted under the penalty clause of section 4 of the act of March 3, 1891.

Each and every package to be shipped from said establishment to any foreign country must have printed or stenciled on the side or on the top, by the packer or exporter, the following:

#### FOR EXPORT.

- (a) Official number of establishment.
- (b) Location of factory.
- (c) Number of pieces or pounds.
- (d) Trade-mark.

In case said package is for transportation to some other State or Territory or to the District of Columbia, in place of the words "for export" the words "interstate trade" shall be substituted.

The letters and figures in the above print shall be of the following dimensions: The letters in the words "for export" or the words "interstate trade" shall not be less than three-fourths of an inch in length, and the other letters and figures not less than one-half inch in length. The letters and figures affixed to said package shall be legible and shall be in such proportion and of such color as the inspector of the Department of Agriculture may designate.

(10) The inspector of the Department of Agriculture in charge of said establishment, being satisfied that the articles in said packages came from animals inspected by him, and that they are wholesome, sound, and fit for human food, shall affix to the top of said packages meat-inspection stamps to be furnished by the Department of Agriculture, said stamps bearing serial numbers, and the inspector will write on said stamps the date of inspection.

The stamp must be securely affixed by paste and tacks in such a way as to be easily read when the package is standing on its bottom. Not less than five tacks shall be driven through each stamp, one at each corner and one in the middle of the stamp.

The stamp having been affixed, it must be immediately canceled. For this purpose the inspector will use a stencil plate of brass or copper, in which will be cut

five parallel waved lines long enough to extend beyond each side of the stamp on the wood of the package. At the top of said stencil will be cut the name of the inspector and at the bottom of said stencil will be cut the district in which inspection is made. The imprinting from this plate must be with blacking or other durable material over and across the stamp, and in such a manner as not to deface the reading matter on the stamp; that is, so as not to daub and make it illegible. The stamp having been affixed and canceled, it must immediately be covered with a coating of transparent varnish or other substance. Orders for stamps must be made by the inspector on the chief of the Bureau of Animal Industry.

(11) Whenever any package of meat products bearing the stamp of inspection shall have been opened and its contents removed for sale the stamp on said package must be effaced and obliterated from the package.

(12) Reports of the work of inspection carried on in every establishment will be forwarded to the Department by the inspector in charge, on such blank forms and in such manner as will be specified in "instructions to inspectors of slaughtering establishments."

#### SWINE.

(13) The inspection of swine for export or interstate trade will be conducted in the same manner as prescribed in the foregoing rules, with the addition, however, that a microscopic examination for trichinæ will be required for all swine products.

(14) When the slaughtered hog is passed into the cooling-room of said establishment, the veterinary inspector in charge, or his assistants, will take from each hog two samples of muscle, one from the "pillar of the diaphragm" and the other from another part of the body, and said samples will be put in a self-locking tin box and a numbered tag will be placed upon the hog from which said samples have been taken and a duplicate number of said tag will be placed in the box with said samples. The boxes containing the samples from the hogs in the cooling-room, so tagged, will be taken to the microscopist for such establishment, who shall thereupon make a microscopic examination of each box containing samples, and shall furnish a written report to the inspector in charge of the cooling-room, giving the result of said microscopic examination, together with the numbers of the hogs from which samples have been examined.

(15) All hogs reported by the microscopist to the inspector in charge of the cooling-room to be affected with trichinæ will at once be removed from said cooling-room of said establishment under the supervision of said inspector or one of his deputies, and be disposed of by the owner in such manner as may be required by the laws of the State where said factory is situated.

(16) The inspector in charge of the slaughtering or other establishment will issue a certificate of inspection for all carcasses of animals or the food products thereof which are to be exported into foreign countries, which certificate will cite the number of the factory, the name of the owner or owners operating the same, the date of inspection, and the name of the consignee and country to which said articles are to be exported. Said certificate will also contain the numbers of the stamps attached to the articles to be exported. One certificate only will be issued for each consignment. The certificates will be issued in serial numbers and in triplicate form. One copy thereof will be delivered to the consignor of such shipment, one copy will be attached to the invoice or shipping bill to accompany the same and be delivered by the transportation companies to the chief officer of the vessel upon which said consignment is to be transported, and the third copy will be forwarded to the Department of Agriculture for filing therein.

J. M. RUSK,  
*Secretary.*

Meat inspection was instituted under these regulations on May 12, 1891, at the abattoir of Eastman & Co., New York, N. Y., and was confined to the inspection of their export dressed beef. At the beginning of June, 1891, this work was inaugurated in Chicago, and soon thereafter at South Omaha, Nebr.; Kansas City, Mo.; Milwaukee, Wis.; Jersey City, N. J.; and Hammond, Ind. Microscopic examination of hogs was commenced at the abattoirs of Nelson Morris & Co., Armour & Co., and Swift & Co., Chicago, Ill., on June 22, 1891.

Since the commencement of this work to October 31, 1891, 1,587,976 animals have been inspected both before and at the time of slaughter. Of this number, 1,226,675 were cattle, 25,116 calves, 163,835 sheep, and 172,350 hogs. There were 467,918 quarters of dressed beef tagged for export, and 2,818,798 for interstate trade. In addition, 312,683 pack-

ages of canned, salted, and smoked meats were stamped in accordance with the regulations.

The following table shows in detail the work of meat inspection from its commencement to October 31, 1891:

*Meat-inspection work from its commencement May 18, 1891, to October 31, 1891.*

Character of work.	May.	June.	July.	August	Septem- ber.	Octo- ber.	Total.
Cattle inspected .....	6,068	77,823	180,243	242,366	338,081	382,094	1,226,675
Beef quarters tagged for export .....	16,769	50,035	99,783	88,522	113,040	99,769	467,918
Beef quarters tagged for interstate trade .....		165,378	499,586	583,318	761,180	809,336	2,818,798
Beef carcasses tagged for other establish- ments .....			15,050	27,652	110,086	101,165	133,005
Packages of canned meat stamped .....			1,594	26,662	45,096	71,922	90,480
Packages of salted meat stamped .....			25	861	1,686	5,266	21,180
Packages of smoked meat stamped .....			28	768	8,758	16,525	21,832
Hogs examined microscopically .....			2,216	9,655	14,650	36,851	108,978
Packages of salted pork stamped for ex- port .....						248	1,218
Packages of bacon stamped for export .....						329	329
Packages of hams stamped for export .....						104	104
Sheep inspected .....			5,766	33,001	54,564	70,504	163,835
Calves inspected .....				5,233	9,097	10,786	25,116
Export certificates issued .....	9	30	72	79	165	282	637
Total number of animals whose products have been marked for identification .....	6,068	79,967	195,311	294,708	437,583	570,446	1,584,083

The workings of this inspection and the carrying out of our regulations were watched with careful scrutiny by the representatives in this country of foreign governments, and the first result of this microscopic examination of hogs was the order made by the German Government on September 3, 1891, removing the prohibition that it had maintained since 1881 against the importation of American pork products. The removal of this prohibition by Germany was followed within a short time by the removal of a similar prohibition by Denmark, and later by Italy, France, and Austria.

The importance of opening the foreign markets once more to an unrestricted importation of American pork products can hardly be overestimated as affecting the farmers of this country. Prior to the full enforcement by foreign countries of their policy of prohibition our export trade amounted, in 1881, to \$69,000,000 in pork products, excepting lard, which product has never been restricted. In 1891 we exported \$50,494,375 in pork products, excepting lard, showing a difference and loss of \$18,505,625 between the exports of 1881 and 1891. The exports during the whole period of prohibition averaged about \$43,000,000 per annum, and the removal of these foreign restrictions should therefore give a market that will increase our export trade in these products at least \$26,000,000 a year.

#### COST OF THE WORK.

It is exceedingly difficult to estimate the cost of the new branches of work undertaken by the Bureau of Animal Industry during the past year. This difficulty is increased by the fact that the amount of work done each month and the cost of the same fluctuate with the demands of commerce for our cattle and their products.

The work of inspection of export animals, provided for by the act of Congress of August 30, 1890, has now been in operation for about twelve months. The average cost of this character of work during this period has been at the rate of \$8,500 per month. During certain

months it has gone as high as \$10,279, and again has fallen as low as \$7,400. As an average, it might be estimated that the cost of export cattle inspection, which covers the work at interior stock yards, tagging, recording, and inspecting at the foreign-animal wharves in Great Britain, would be \$100,000 per annum.

The cost of maintaining the supervision of the movement of Southern cattle was at an average expenditure of \$2,275 per month, or for the ten months during which these regulations are enforced \$22,750.

The inspection of import animals arriving in the United States from Canada amounts to \$775 per month, or \$9,300 per annum.

The work of meat inspection has only been fairly in operation since the commencement of the present fiscal year. The cost of the inspection of animals in this work during the month of July, which includes the examinations at time of slaughter, the tagging of quarters of dressed beef going into the export and interstate trade, and the stamping of packages of canned and salted beef and pork products, amounted to 5.7 cents per head for each animal inspected, or a total for 195,664 animals in the month of July of \$11,160.71. This cost per head was reduced in the month of August to  $4\frac{3}{4}$  cents per head, being a total number of 295,250 animals inspected, at a cost of \$13,981.39. A still further reduction in the cost of this work was accomplished during the month of September, when 438,593 animals were inspected at a cost of \$14,200, an average of  $3\frac{1}{4}$  cents per head. During the month of October the total cost of inspection was \$16,392.28. The number of animals inspected was 572,489, making the average cost of inspection 2.86 cents per animal. It seems probable that the inspection of animals and their marking for identification may be accomplished for a sum not exceeding 3 cents per head.

These figures, however, do not include the cost of microscopic inspection of hogs. This latter branch of the work has not been in operation long enough to be properly estimated for. At the commencement of the work it was necessary to educate examiners in the performance of their duties, and some little time was required for their becoming proficient and rapid in their examinations. Another difficulty that has been met with is the fact that several abattoirs which are being supplied with this character of inspection do not keep our examiners supplied with the quota of samples designated in their applications for this inspection. The cost of microscopic inspection during the month of July amounted to  $20\frac{1}{2}$  cents per hog; during August it was  $13\frac{1}{2}$  cents per hog; during September,  $8\frac{2}{3}$  cents; and during October,  $5\frac{1}{2}$  cents. The number of samples which each examiner should examine in this work is about 50 per day, and taking this number as the average the cost of the inspection would be about  $5\frac{1}{2}$  cents per animal. It is thought, therefore, that the inspection work undertaken by this Department, under the direction of Congress, can be made at 3 cents per head for cattle and  $5\frac{1}{2}$  cents per head for hogs.

The demand for this inspection by the various packing and slaughtering establishments throughout the country is on the increase. Twenty-two establishments are now having their products inspected, and there are a number of other applicants whose requests have not been complied with owing to the fact that the appropriation for the Bureau is not sufficiently large to be drawn upon further for this branch of work. I would most earnestly recommend that Congress be asked to make an appropriation for this work sufficiently large to enable this inspection to be extended to all applicants. It may be suggested that this branch of work was not considered by Congress at its last session,

in making appropriations for the Bureau of Animal Industry, as the bill providing for the work was not passed until the closing days of Congress. The benefits which have already accrued by the opening up of the foreign markets to our pork products, the increased demand for beef products, and the reestablishment of their reputation for wholesomeness and soundness in the markets of the world, together with the protection which inspection gives to our own consumers, justify Congress in providing such an appropriation.

It may be stated in this connection that during the past three or four years considerable agitation has taken place in a number of States relative to the character of animals slaughtered for the interstate trade in dressed beef at the large central abattoirs of the country, and that State legislation was enacted as a police regulation of certain States in order to guarantee to consumers the wholesomeness of the food which was sold for their consumption. This legislation by several States was declared by the Supreme Court of the United States to be invalid, since it was a measure affecting interstate commerce, and belonged exclusively to the General Government of the United States. It is plain, therefore, that the only protection from unwholesome or diseased meat which the citizens in the greater part of the United States can obtain in the present condition of the meat trade must come from the national inspection service. The extension of the inspection and the thorough enforcement of the regulations are consequently matters which interest not only that portion of our people engaged in agricultural pursuits, but to an almost equal degree every citizen of this country.

#### DIVISION OF ANIMAL PATHOLOGY.

The Division of Animal Pathology, as at present organized, includes all scientific investigations in regard to the nature, prevention, and treatment of animal diseases.

During the summer considerable time had to be spent in fitting up the new laboratory provided for by the last Congress, and in transferring apparatus to it. Though experimental work was not stopped at any time, it was more or less interfered with during July and the early part of August. The new quarters are superior to the old in every particular, and the Bureau is now for the first time provided with all the apparatus and modern appliances which are required for this class of investigations.

The studies of Texas fever have been continued during the summer. The results of the experiments confirm the conclusions of 1890, throwing new light upon the nature of the disease, and strengthening the hope that its means of transmission will soon be fully understood and the best preventive measures determined.

The work on swine diseases has occupied the attention of the Division throughout the year. A special report on swine plague was prepared with great care, which gives in detail the work done by the Bureau since 1886 in different parts of the country.

Inoculation as a means of preventing the diseases of animals, the different forms of pneumonia in cattle, and tuberculosis are among the subjects which have been carefully studied.

The investigation of animal parasites is being actively prosecuted with reference to our domesticated animals. These parasites are responsible for a large amount of harm, which is becoming more apparent by patient research. The material for a report on the animal parasites of cattle is now being collected.

Other diseases are being investigated as time and opportunity offer, and much valuable work is being done in determining the essential cause of various animal plagues. The results of all the investigations will be published in detail in the reports of the Bureau or in special bulletins.

#### DIVISION OF FIELD INVESTIGATIONS AND MISCELLANEOUS WORK.

A corps of inspectors is constantly employed in making investigations as to the character, etc., of reported outbreaks of contagious diseases in various States. As an example of the necessity and importance of such work it may be stated that foot-and-mouth disease has recently been reported as existing in the west, and that this report was cabled to Europe, leading to demands there for the entire prohibition of our live-cattle trade. Upon careful investigation, however, it was demonstrated that the disease in question was not contagious nor communicable, even by direct inoculation, but was due entirely to local causes, and the official statement of this conclusion has been sufficient to quiet alarm and prevent adverse action by foreign countries. There has been less disease of all kinds than formerly among our animals, and happily many of the contagious diseases common or occasional in other countries do not exist at all with us.

This division also maintains a corps of correspondents, the object being to have one or more in every county of the United States, from whom information is collected as to the condition of live stock, the diseases from which this industry suffers, and the various conditions in regard to which the farmers need additional knowledge. This enables the Bureau to keep in touch with the stock-raisers, and encourages them to correspond with it in those cases where it can be of service to them. The division is therefore to some extent a bureau of information, and as such is growing in usefulness as its methods are perfected and as its employés become more familiar with the wants of the people who apply to it.

This division is also charged with a supervision of the expenditures and accounts of the whole Bureau, a service which is absolutely necessary because of the great extension of the work and the large numbers of employés stationed in various parts of the country.

#### QUARANTINE DIVISION.

Stations securely inclosed and provided with suitable sheds, yards, and conveniences for the care of stock have been maintained for the ports of Boston, New York, and Baltimore. Cattle brought to these ports have been quarantined for a period of ninety days from the date of arrival at the station. Although the number of cattle imported during the year has not been large, the quarantining of them has been a necessary precaution to prevent the possible introduction of contagious diseases from foreign countries. The large expenditures which have been made by this country to exterminate such diseases from its borders have made this precaution of special importance to prevent the possibility of the reinfection of the United States.

In addition to the quarantine of cattle, a quarantine of fifteen days has been required upon all sheep and swine brought into the United States at these ports. The number of pure-bred sheep imported has been largely increased over that of other years, which also makes this

precaution of detention under veterinary inspection especially important and desirable. When the demand for pure-bred animals is in excess of the supply, the tendency of those engaged in the business is to exercise less care to select only healthy animals and guard them against exposure to disease. The importation then becomes purely a business enterprise in which many speculators engage with a manifest desire to curtail expense without especial regard to the ultimate loss which might result to buyers. The need for careful inspection under Government control is, then, more apparent. No important cases of disease have developed in any one of the quarantine stations, and the vigilance of the officers of this Department has not been relinquished. The uniformly healthy condition of our flocks and herds in America make it imperative that a strict oversight should be placed over all animals brought from foreign countries, to prevent the introduction of such exotic maladies as would lead to heavy losses or possibly ruin an important industry.

#### PUBLICATIONS.

I take pleasure in calling attention to the great value of, and unprecedented demand for, the "Special Report on Diseases of the Horse," written by the most eminent veterinarians of this country, and issued as one of the publications of this Bureau. If we may judge by the character of letters received commending this work, it is within bounds to say that it is one of the most useful publications ever issued by the Government, and that it is worth to the people of the country the entire sum appropriated to the Department of Agriculture for the year. A similar work will soon be issued on diseases of cattle, which it is expected will be of equal value.

The demand for the "Special Report on the Animal Parasites of Sheep" has continued during the year, and has only been exceeded by that for the Report on Diseases of the Horse. The preparation of the two volumes just mentioned was, to some extent, a variation from the precedents established in the Department of Agriculture. It was an endeavor to go beyond the monograph and give the farmer a book of reference on a more extended subject. The unusual success of both publications shows that there is a popular demand for information in this form, and that the monographs alone are not sufficient to supply all the needs of our farmers.

There is undoubtedly a field for both classes of publications. The monograph is the best form in which to present new information and the results of original scientific investigations. It is necessary in order to keep the agriculturists abreast with the times. But every farmer must have a wider range of knowledge at his disposal than he can obtain in the form of monographs; and he must have this knowledge classified and condensed if he is to obtain the full benefit of it. It is to supply this want that the volumes of a more general nature are now being issued. The monographs, however, will be continued as the proper form in which to convey new information on each individual topic, and their substance will eventually be incorporated in revised editions of the more comprehensive volumes. The sixth and seventh annual reports of the Bureau are comprised in one volume and are now going to the press, being published by special authority of Congress. A special report on sheep husbandry, prepared with much care, is nearly ready for the printer. A monograph on swine plague has recently been issued, and one on southern cattle fever, better known popularly as Texas fever, is nearly ready for the press. These two monographs contain the investigations of the

division of animal pathology on these subjects—investigations which are so important and comprehensive as to revolutionize previously accepted views in regard to the nature of these two diseases.

The material for other equally important reports is being rapidly accumulated. There is a large field of information bearing upon various branches of the animal industry, which has heretofore been neglected for the most part in this country, and as a result there is more dissatisfaction and depression in this industry than is justified by the condition of the various markets. It is a period of sharp competition in the markets in this country and of the world, and those farmers can only reach the highest degree of success who are able to avail themselves of all the knowledge bearing upon their business, and particularly of the latest results of scientific investigations.

Accompanying this statement will be found a list of persons employed and tables giving the expenditures of the year in detail.

*EXPENDITURES DURING THE FISCAL YEAR ENDING JUNE 30, 1891,  
AND A LIST OF EMPLOYÉS FOR THE SAME PERIOD.*

*List of employés during the fiscal year ending June 30, 1891.*

[\* Promotion. † Traveling expenses.]

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
<i>Washington.</i>					
D. E. Salmon.....	Chief of Bureau.....	May 31, 1884.....			\$3,000
Edward B. Jones.....	Clerk of Bureau.....	Jan. 1, 1889*.....			1,500
William Dickson.....	Assistant chief.....	Mar. 24, 1891.....	May 12, 1891.....		2,500
Ch. B. Michener.....	do.....	May 28, 1891 <sup>1</sup> .....			2,500
William J. Cowing.....	Chief clerk.....	Nov. 15, 1889*.....			2,000
A. M. Farrington.....	Chief Division Field Investigations, etc.	Oct. 8, 1887.....			2,250
Robert S. Forbes.....	Chief of Inspection Division.....	Jan. 1, 1889*.....			1,800
Do.....	do.....	Apr. 1, 1891.....			2,000
Miles Fuller.....	Assistant in Bureau.....	July 1, 1889*.....			1,800
Geo. A. Martin.....	Editorial clerk.....	July 12, 1890.....			1,800
Daniel G. Hatch.....	Assistant in Bureau.....	Nov. 13, 1890 <sup>2</sup> .....			1,500
Do.....	do.....	Apr. 1, 1891.....			1,600
Israel W. Stone.....	Assistant in Bureau.....	June 1, 1889.....	July 13, 1890.....		1,600
Talma Drew.....	Stenographer.....	May 1, 1890.....	do.....		1,400
Mary Sullivan.....	Assistant in Bureau.....	July 1, 1890*.....			1,400
Wm. P. Spurgeon.....	Private secretary.....	Jan. 1, 1890.....			1,200
Do.....	do.....	Sept. 1, 1890.....			1,400
T. H. Netherland.....	Stenographer.....	May 1, 1891.....			1,400
Wm. B. Cravath.....	Stenographer and typewriter.....	July 1, 1890*.....			1,200
Chas. P. Salisbury.....	Clerk.....	Apr. 15, 1891.....			1,200
James C. Hooe.....	Stenographer and typewriter.....	Nov. 13, 1890.....			1,200
Mary T. Dent.....	Assistant in Bureau.....	July 1, 1889*.....			1,000
Mary G. Marshall.....	do.....	Jan. 1, 1890*.....			1,000
Andrew J. Olin.....	Clerk and typewriter.....	Mar. 23, 1891.....			1,000
Edward Story.....	Messenger.....	July 1, 1889.....	July 15, 1890 <sup>2</sup> .....		840
Wilson Carey.....	do.....	Apr. 20, 1889.....			720
Melville Reed.....	do.....	Oct. 11, 1890.....			480
Do.....	do.....	Apr. 13, 1891.....			600
D. L. McDevitt.....	Laborer.....	Oct. 1, 1890.....			660
Amy Rand.....	do.....	Apr. 16, 1891.....		\$1.50	-----
B. Z. Wade.....	do.....	June 5, 1891.....		1.50	-----
Theobald Smith.....	Chief Division Animal Pathology.	July 1, 1890*.....			2,250
E. A. v. Schweinitz.....	Chemist.....	Jan. 1, 1890.....			1,600
Do.....	do.....	Jan. 1, 1891.....			1,800
Cooper Curtice.....	Assistant in laboratory.....	Nov. 15, 1889*.....	May 31, 1891.....		1,800

<sup>1</sup> Transferred from New York.

<sup>2</sup> Transferred to stock yards.

*List of employés during the fiscal year ending June 30, 1891—Continued.*

[ \*Promotion. †Traveling expenses.]

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
<i>Washington—Cont'd.</i>					
V. A. Moore	Assistant in laboratory	Jan. 1, 1890*			\$1,400
E. C. Schroeder	do	do <sup>1</sup>			1,200
Albert Hassall	do	Apr. 1, 1891 <sup>2</sup>			1,200
C. W. Stiles	do	June 3, 1891			1,400
Wm. S. D. Haines	Draftsman	Aug. 1, 1889*	July 13, 1890		1,200
Mary N. Barnard	Assistant in laboratory	July 1, 1890*			1,000
Wm. Alexander	Messenger in laboratory	Feb. 15, 1890*			840
W. C. Shimoneck	Laborer in laboratory	Apr. 7, 1890			660
James R. Stewart	do	Feb. 10, 1890			600
Do		Jan. 1, 1891			660
Julienne Somerville	Laborer in laboratory	Oct. 15, 1889			660
John Meany	do	May 1, 1890		\$2.00	-----
Luke Jamieson	do	Dec. 20, 1890		\$50.00	-----
F. L. Kilborne	Supt. experiment station	Feb. 1, 1889*			1,800
Wm. H. Bradford	Laborer experiment station	Oct. 5, 1889			720
Do	do	Feb. 1, 1891			840
C. S. Meyers	do	Aug. 1, 1889*			660
Do	do	Feb. 1, 1891			720
Alfred Burnett	do	May —, 1890		1,50	-----

## AGENTS AND SPECIAL EMPLOYÉES.

Watson Pickrell	Agent	Apr. 1, 1889		\$10.00	-----
W. Judson Smith	do	June 11, 1889		†10.00	-----
W. A. Armstrong	Stock correspondent	Nov. 15, 1889	Aug. 21, 1890	†\$1,200	-----
S. W. Campbell	do	Apr. 26, 1889	Mar. 23, 1891 <sup>4</sup>	†1,600	-----
E. A. Carman	do	Apr. 18, 1890	July 31, 1890	1,600	-----
Jas. A. Dodge	do	Oct. 15, 1890		†1,400	-----
H. A. Heath	do	Oct. 15, 1889		†1,600	-----
Henry J. Harwi	do	July 10, 1890		1,400	-----
John Minto	do	Feb. 26, 1891		†1,400	-----
John T. McNeely	do	July 1, 1889		†1,600	-----
H. Romaine	do	do		†1,600	-----
A. G. Asdikian	Special agent	May 29, 1890		1,200	-----
W. L. Williams	Veterinary inspector	Nov. 1, 1890	Mar. 31, 1891	†1,200	-----
F. E. Parsons	do	Jan. 1, 1891 <sup>5</sup>		†1,400	-----
Do	do	Feb. 1, 1891		†1,600	-----
Wm. Folsetter	do	Oct. 21, 1890	Nov. 11, 1890	†8.00	-----

## IMPORT CATTLE INSPECTION.

John A. Bell	Veterinary inspector	Nov. 1, 1890			†\$1,400
W. H. Cooper	do	Mar. 9, 1891 <sup>6</sup>	May 1, 1891 <sup>7</sup>		†1,400
John T. Claris	do	Nov. 13, 1890			†1,800
David Cumming	do	Mar. 26, 1891		†\$5.00	-----
Joseph Hawkins	do	Nov. 1, 1890			†1,400
John E. Miller	do	do	Apr. 11, 1891 <sup>8</sup>		†1,200
Frank H. Miller	do	do			†1,400
F. E. Parsons	do	Nov. 13, 1890	Jan. 1, 1891 <sup>9</sup>		†1,400
F. L. Russell	do	Jan. 8, 1891			†1,200
Daniel B. Sayre	do	Nov. 18, 1890	Apr. 11, 1891 <sup>8</sup>		†1,400
G. W. Ward	do	Mar. 9, 1891			†1,200

<sup>1</sup> Transferred from Maryland.<sup>2</sup> Transferred from Baltimore.<sup>3</sup> Per month.<sup>4</sup> Transferred to stock yards.<sup>5</sup> Transferred from import.<sup>6</sup> Transferred from New Jersey.<sup>7</sup> Transferred to New Jersey.<sup>8</sup> Transferred to meat inspection.<sup>9</sup> Transferred to special work.

*List of employés during the fiscal year ending June 30, 1891—Continued.*

PLEURO-PNEUMONIA WORK.

[\*Promotion. †Traveling expenses.]

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
<i>New York.</i>					
A. K. Robertson .....	Chief inspector .....	July 1, 1889*	.....	\$12.00	.....
Henry B. Ambler .....	Veterinary inspector .....	Aug. 1, 1889	.....	8.00	.....
Roscoe R. Bell .....	do .....	Oct. 20, 1888	.....	.....	†\$1,600
Henry Brister .....	do .....	July 1, 1890*	.....	.....	†1,200
Do. ....	do .....	Jan. 1, 1891	Nov. 8, 1890 <sup>1</sup>	.....	†1,400
H. D. Gill .....	do .....	Nov. 1, 1889 <sup>2</sup>	.....	.....	†1,600
R. W. Hickman .....	do .....	Feb. 1, 1890*	Oct. 25, 1890 <sup>1</sup>	.....	†2,000
Richard Kay .....	do .....	.....	.....	.....	†1,800
Ch. B. Michener .....	do .....	June 24, 1887	Nov. 1, 1890 <sup>3</sup>	8.00	.....
N. H. Paaren .....	do .....	Nov. 24, 1886	.....	8.00	.....
Chas. H. Perry .....	do .....	June 1, 1889	.....	.....	†1,400
Do. ....	do .....	July 15, 1890	.....	.....	†1,600
W. H. Pendry .....	do .....	Jan. 1, 1890	.....	.....	†1,400
Do. ....	do .....	Jan. 1, 1891	.....	.....	†1,600
Henry S. Vanderhoff .....	do .....	Dec. 27, 1887	.....	.....	†1,600
Geo. G. Van Mater .....	do .....	June 1, 1889	Aug. 9, 1890	.....	†1,400
Jas. A. Walrath .....	do .....	Aug. 1, 1888*	.....	.....	†2,000
Edward Devoe .....	Clerk .....	Feb. 1, 1890*	.....	.....	1,800
Jas. B. Docharty .....	do .....	.....	Mar. 31, 1891	.....	1,500
Daniel G. Hatch .....	do .....	.....	Nov. 13, 1890 <sup>4</sup>	.....	1,500
J. F. Kilner .....	do .....	Aug. 5, 1889	.....	.....	1,000
Do. ....	do .....	Aug. 1, 1890	.....	.....	1,200
Chas. A. Wilcox .....	do .....	July 1, 1890*	.....	.....	†1,200
Adolph Bevers .....	do .....	Apr. 16, 1888	.....	.....	†1,000
Leon E. Block .....	Assistant inspector .....	Aug. 1, 1889	July 9, 1890	.....	†1,000
Do. ....	Clerk .....	Aug. 1, 1890	.....	.....	1,000
Chas. A. Forshew .....	do .....	May 20, 1889	Nov. 8, 1890 <sup>3</sup>	.....	1,000
Jos. J. Hearne .....	do .....	Dec. 23, 1887	.....	.....	1,000
Jos. Hanner, jr .....	do .....	Apr. 1, 1891	.....	.....	1,000
John J. Rabineau .....	do .....	Feb. 1, 1890	.....	.....	1,000
Wm. H. Bogart .....	Assistant inspector .....	Aug. 1, 1889	Nov. 22, 1890 <sup>3</sup>	.....	†1,000
Chester H. Bliss .....	do .....	Oct. 15, 1889	.....	.....	†1,000
Gustav L. Cohn .....	do .....	Jan. 1, 1890*	.....	.....	†1,000
Austin Cornwell .....	do .....	Aug. 1, 1889	.....	.....	†1,000
George Cornish .....	do .....	Dec. 1, 1889	Nov. 8, 1890 <sup>3</sup>	.....	†1,000
Alex. Devlin, jr .....	do .....	July 6, 1888	Apr. 1, 1891	.....	†1,000
John H. Eadie .....	do .....	Aug. 1, 1889	.....	.....	†1,000
Wm. Foley .....	do .....	Mar. 15, 1890	Nov. 8, 1890 <sup>3</sup>	.....	†1,000
E. H. Flavin .....	do .....	Oct. 15, 1889	.....	.....	†1,000
Chas. E. Grogan .....	do .....	.....	.....	.....	†1,000
Wm. W. Hughes .....	do .....	Aug. 1, 1889	June 30, 1891	.....	†1,000
Frank Hallenbeck .....	do .....	Dec. 1, 1889	.....	.....	†1,000
Hiram Jerome .....	do .....	Oct. 15, 1889	Nov. 8, 1890 <sup>3</sup>	.....	†1,000
Samuel Jarvis .....	do .....	Mar. 15, 1890	.....	.....	†1,000
John Mesick .....	do .....	Aug. 5, 1889	.....	.....	†1,000
Fredk. Metzger .....	do .....	Jan. 1, 1890	June 30, 1891	.....	†1,000
Benj. B. Mullen .....	do .....	June 10, 1890	June 5, 1891 <sup>5</sup>	.....	†1,000
Michael Nau .....	do .....	Aug. 1, 1889	June 30, 1891	.....	†1,000
John W. S. Ortiz .....	do .....	July 10, 1890	.....	.....	†1,000
F. H. Pendleton .....	do .....	Oct. 15, 1889	June 30, 1891	.....	†1,000
James Smith .....	do .....	May 20, 1889	.....	.....	†1,000
J. S. Sargent .....	do .....	Oct. 15, 1889	.....	.....	†1,000
Wm. J. Taylor .....	do .....	Aug. 1, 1889	.....	.....	†1,000
Jas. R. Taylor .....	do .....	Dec. 1, 1889	.....	.....	†1,000
O. P. Vandenberg .....	do .....	May 20, 1889	Nov. 13, 1890 <sup>3</sup>	.....	†1,000
P. C. Vandewater .....	do .....	Aug. 1, 1889	.....	.....	†1,000
Elwood Valentine .....	do .....	Oct. 15, 1889	.....	.....	†1,000
S. T. Velsor .....	do .....	Dec. 1, 1889	.....	.....	†1,000
C. S. Vosburgh .....	do .....	Jan. 15, 1890	.....	.....	†1,000
James Welch .....	do .....	Dec. 1, 1889	Nov. 24, 1890 <sup>3</sup>	.....	†1,000
James H. Clark .....	Appraiser .....	Jan. 1, 1890	.....	.....	†1,200
Joseph H. Storm .....	do .....	Aug. 1, 1889	.....	.....	†1,200
Wm. J. Watt .....	Superintendent disinfectors .....	Jan. 18, 1888*	.....	5.00	.....
Thomas Coyle .....	Foreman disinfectors .....	Jan. 15, 1888*	Nov. 8, 1890 <sup>3</sup>	.....	1,000
David Holland .....	do .....	July, 1890	July, 1890	2.25	.....
W. Y. Robertson .....	Teamster with team .....	do .....	Oct., 1890	5.00	.....
Wm. Gordon .....	do .....	do .....	July, 1890	5.00	.....
C. Dirlam .....	do .....	Jan., 1891	June, 1891	5.00	.....

<sup>1</sup>Transferred to export inspection.

<sup>2</sup>Transferred from New Jersey.

<sup>3</sup>Transferred to export.

<sup>4</sup>Transferred to Washington.

<sup>5</sup>Transferred to meat inspection.

*List of employés during the fiscal year ending June 30, 1891—Continued.*

PLEURO-PNEUMONIA WORK—Continued.

[\*Promotion. †Traveling expenses.]

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
<i>New York—Continued.</i>					
Wm. Tucker.....	Carpenter.....	July, 1890	Oct., 1890	\$3.50	.....
James Russell.....	Laborer employed temporarily as disinfector and patrolman.	do.....	Dec., 1890	2.25	.....
Daniel Burke.....	do.....	do.....	July, 1890	2.25	.....
Joseph Jarvis.....	do.....	do.....	Dec., 1890	2.25	.....
James Connors.....	do.....	do.....	June, 1891	2.25	.....
Henry Schute.....	do.....	do.....	do.....	2.25	.....
Robert Mott.....	do.....	do.....	do.....	2.25	.....
O. W. Green.....	do.....	do.....	do.....	2.25	.....
Theo. Jennings.....	do.....	do.....	Oct., 1890	2.25	.....
Peter Kildary.....	do.....	do.....	do.....	2.25	.....
Matthew Smith.....	do.....	do.....	do.....	2.25	.....
Joseph Conklin.....	do.....	do.....	July, 1890	2.25	.....
John Meredith.....	do.....	do.....	do.....	2.25	.....
George Brush.....	do.....	do.....	do.....	2.25	.....
John Kildary.....	do.....	do.....	Oct., 1890	2.25	.....
James Flannery.....	do.....	do.....	Dec., 1890	2.25	.....
Frank Gilmore.....	do.....	do.....	Oct., 1890	2.25	.....
Charles Burns.....	do.....	do.....	June, 1891	2.25	.....
Joseph Hanner, jr.....	do.....	Aug., 1890	Mar., 1891	2.25	.....
Wm. Gordon.....	do.....	do.....	June, 1891	2.25	.....
Jos. H. Loomis.....	do.....	Sept., 1890	do.....	2.25	.....
W. H. Guischard.....	do.....	Feb., 1891	do.....	2.25	.....
Balzar Eichler.....	do.....	May, 1891	do.....	2.25	.....
<i>New Jersey.</i>					
J. W. Hawk.....	Chief inspector.....	Apr. 16, 1889	.....	†\$2,000	.....
W. W. Curry.....	Veterinary inspector.....	Mar. 10, 1888	.....	†1,400	.....
W. H. Cooper.....	do.....	May 1, 1889	Mar. 9, 1891 <sup>1</sup>	†1,400	.....
Do.....	do.....	May 1, 1891 <sup>2</sup>	June 15, 1891 <sup>3</sup>	†1,400	.....
Julius Huelsen.....	do.....	Mar. 10, 1888	June 3, 1891 <sup>3</sup>	†1,400	.....
R. R. Letts.....	do.....	Oct. 15, 1889	.....	†1,200	.....
Wm. B. E. Miller.....	do.....	May 1, 1889*	Nov. 1, 1890 <sup>4</sup>	†1,600	.....
H. W. Rowland.....	do.....	Mar. 7, 1887	.....	†1,400	.....
Werner Runge.....	do.....	June 15, 1889*	.....	†1,400	.....
W. A. Willard.....	Clerk.....	May 20, 1889 <sup>5</sup>	June 3, 1891 <sup>3</sup>	†1,400	.....
W. L. Ferguson.....	do.....	June 15, 1889	.....	1,000	.....
Floy McEwen.....	do.....	Jan. 1, 1890	.....	1,000	.....
C. D. Noonan.....	do.....	Apr. 26, 1888	June 30, 1891	840	.....
Fred'k Bluem.....	Assistant inspector.....	May 10, 1889	.....	†1,000	.....
John Briggs.....	do.....	Mar. 1, 1890	.....	†1,000	.....
James Cassey.....	do.....	May 10, 1889	.....	†1,000	.....
Thos. Crozer.....	do.....	June 15, 1889	.....	†1,000	.....
Melvin Doremus.....	do.....	May 6, 1889	.....	†1,000	.....
David R. Hobart.....	do.....	July 1, 1889	June 30, 1891	†1,000	.....
Simon Kelly.....	do.....	Feb. 6, 1888	.....	†1,000	.....
Ira C. Kilburn.....	do.....	May 6, 1889	.....	†1,000	.....
Joseph Locke.....	do.....	do.....	.....	†1,000	.....
R. H. Moore.....	do.....	Dec. 1, 1889	.....	†1,000	.....
J. H. Phelan.....	do.....	May 6, 1889	June 30, 1891	†1,000	.....
Daniel F. Shea.....	do.....	Dec. 1, 1889	do.....	†1,000	.....
Geo. C. Toffey.....	do.....	May 6, 1889	do.....	†1,000	.....
B. S. Watson.....	do.....	June 15, 1889	.....	†1,000	.....
Mo. Conklin.....	Superintendent of disinfectors	Dec. 1, 1889	June 30, 1891	.....	†1,000
Geo. Fick.....	Teamster with team	Sept., 1890	Nov., 1890	5.00	.....
Wm. Holcomb.....	Laborers temporarily employed to disinfect stables.	July, 1890	June, 1891	2.25	.....
Fred'l Bluem, jr.....	do.....	Sept., 1890	Nov., 1890	2.25	.....
John W. Cook.....	do.....	do.....	do.....	2.25	.....
Thomas Shea.....	do.....	do.....	Oct., 1890	2.25	.....
O. Nixon.....	do.....	do.....	Nov., 1890	2.25	.....
Jas. R. Conklin.....	do.....	do.....	do.....	2.25	.....
John Hayes.....	do.....	do.....	do.....	2.25	.....
C. Kobel.....	do.....	do.....	do.....	2.25	.....
Joe Leonard.....	do.....	do.....	do.....	2.25	.....
Louis Strothman.....	do.....	do.....	do.....	2.25	.....
Wm. Cullen.....	do.....	do.....	do.....	2.25	.....

<sup>1</sup>Transferred to import.

<sup>2</sup>Transferred from import.

<sup>3</sup>Transferred to meat inspection.

<sup>4</sup>Transferred to export.

<sup>5</sup>Transferred from New York.

*List of employés during the fiscal year ending June 30, 1891—Continued.*

## PLEURO-PNEUMONIA WORK—Continued.

[\*Promotion. †Traveling expenses.]

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum
<i>Pennsylvania.</i>					
Wm. H. Rose .....	Veterinary inspector.....	Aug. 15, 1885*	Nov. 1, 1890 <sup>1</sup>	†\$8.00	-----
George Carter .....	Assistant inspector.....	Apr. 10, 1888	.....do. <sup>1</sup> .....	-----	†\$1,000
Edwin S. Huff .....	.....do.....	Feb. 1, 1890	.....do. <sup>1</sup> .....	-----	1,000
<i>Maryland.</i>					
Geo. C. Faville .....	Chief inspector.....	Apr. 1, 1888*	Nov. 1, 1890 <sup>1</sup>	†10.00	-----
Wm. H. Wray .....	Veterinary inspector.....	Apr. 18, 1888	July 17, 1890 <sup>4</sup>	†8.00	-----
A. W. Clement .....	.....do.....	Dec. 1, 1887	Nov. 1, 1890 <sup>1</sup>	-----	†2,000
Jas. F. Ryder .....	.....do.....	Apr. 17, 1888	July 18, 1890 <sup>4</sup>	-----	†1,600
Isaac L. Ball .....	Clerk.....	July 2, 1888	Nov. 1, 1890 <sup>1</sup>	-----	1,000

## STOCK YARDS AND EXPORT CATTLE INSPECTION.

<i>Chicago.</i>					
R. W. Hickman .....	Veterinary inspector.....	Oct. 25, 1890 <sup>2</sup>	-----	-----	†\$2,000
Do.....	.....do.....	Apr. 1, 1891	-----	†\$8.00	-----
A. D. Melvin.....	.....do.....	Apr. 15, 1890 <sup>3</sup>	July 21, 1890 <sup>4</sup>	-----	†2,000
B. A. Pierce .....	.....do.....	Apr. 13, 1891	-----	-----	1,600
Saml. W. Campbell .....	Assistant inspector.....	Mar. 23, 1891 <sup>5</sup>	-----	-----	†1,600
Daniel Gano .....	Inspector.....	Nov. 1, 1890	-----	-----	-----
Jas. E. Drom .....	Assistant inspector.....	Nov. 10, 1890	Mar. 1, 1891 <sup>6</sup>	†6.00	-----
Saml. H. Pierce .....	.....do.....	July 19, 1889	.....do. <sup>6</sup> .....	-----	1.200
Do.....	.....do.....	Aug. 15, 1890	-----	-----	†1,400
Wm. H. Bogart .....	Clerk.....	Nov. 22, 1890 <sup>2</sup>	-----	-----	†1,600
H. F. Salkeld .....	.....do.....	Jan. 1, 1891	-----	-----	1,000
Fenno E. Smith .....	Assistant inspector.....	Nov. 18, 1890	-----	2.50	-----
Do.....	Clerk.....	Dec. 1, 1890	Dec. 29, 1890	-----	1,000
S. H. Tourtelotte .....	Bookkeeper.....	June 22, 1891	-----	-----	1,000
E. B. Luce .....	.....do.....	June 20, 1891	-----	-----	900
Clark C. Bone.....	Tagger.....	Jan. 1, 1891	-----	2.50	-----
Barnard Carroll .....	.....do.....	June 22, 1891	-----	-----	720
Chas. C. Rummel .....	.....do.....	June 18, 1891	-----	-----	720
C. A. Wales .....	.....do.....	June 20, 1891	-----	-----	720
Albert F. Andrews .....	.....do.....	Nov. 22, 1890	Apr. 30, 1891	2.50	-----
J. F. Clark .....	.....do.....	Nov. 18, 1890	Feb. 1, 1891	2.50	-----
William Ewers .....	.....do.....	Nov. 22, 1890	Dec. 6, 1890	2.50	-----
John Fitzsimmons .....	.....do.....	Jan. 1, 1891	-----	2.50	-----
John Gerdes .....	.....do.....	Dec. 22, 1890	-----	2.50	-----
Dighton Granger .....	.....do.....	Nov. 18, 1890	-----	2.50	-----
Frank Hegg .....	.....do.....	Dec. 10, 1890	-----	2.50	-----
Wm. Harpst .....	.....do.....	Dec. 15, 1890	-----	2.50	-----
Matthew Kaas .....	.....do.....	Dec. 10, 1890	-----	2.50	-----
Burt R. Law .....	.....do.....	Nov. 22, 1890	-----	2.50	-----
D. H. McArthur .....	.....do.....	Nov. 18, 1890	-----	2.50	-----
Michael J. Quirk .....	.....do.....	Nov. 22, 1890	-----	2.50	-----
H. C. Rossman .....	.....do.....	Dec. 15, 1890	May 18, 1891	2.50	-----
Robt. Wills .....	.....do.....	Jan. 1, 1891	-----	2.50	-----
J. C. Whitney .....	.....do.....	Nov. 22, 1890	-----	2.50	-----
Harry Wheelock .....	.....do.....	Feb. 2, 1891	-----	2.50	-----
Alex. Taylor .....	Taggers temporarily employed	Nov., 1890	-----	2.50	-----
Wm. B. Wills .....	.....do.....	.....do.....	-----	2.50	-----
E. Zimmerman .....	.....do.....	Dec., 1890	-----	2.50	-----
Thos. J. O'Leary .....	.....do.....	Feb., 1891	May, 1891	2.50	-----
John Harper .....	.....do.....	May, 1891	-----	2.50	-----
Geo. W. Laing .....	.....do.....	.....do.....	-----	2.50	-----
R. C. Boughton .....	.....do.....	.....do.....	-----	2.50	-----
Robt. J. Touhy .....	.....do.....	.....do.....	-----	2.50	-----
C. J. Regan .....	.....do.....	June, 1891	-----	2.50	-----
John C. Lorenzen .....	.....do.....	.....do.....	-----	2.50	-----
Norman R. Adams .....	.....do.....	.....do.....	-----	2.50	-----
Wm. D. Seeber .....	.....do.....	.....do.....	-----	2.50	-----
John Richards .....	.....do.....	.....do.....	-----	2.50	-----
Lew Zublin .....	.....do.....	.....do.....	-----	2.50	-----
Edward Diehl .....	.....do.....	.....do.....	-----	2.50	-----

<sup>1</sup> Transferred to export.<sup>2</sup> Transferred from New York.<sup>3</sup> Transferred from Maryland.<sup>4</sup> Transferred to Great Britain.<sup>5</sup> Transferred from special work.<sup>6</sup> Transferred to meat inspection.

*List of employés during the fiscal year ending June 30, 1891—Continued.*

STOCK YARDS AND EXPORT CATTLE INSPECTION—Continued.

[\* Promotion. † Traveling expenses.]

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
<i>Kansas City Division.</i>					
Wm. H. Rose .....	Veterinary inspector.....	Nov. 1, 1890 <sup>1</sup>	May 27, 1891 <sup>2</sup>	† \$8.00	† \$1,800
Albert Dean.....	Inspector.....	Apr. 1, 1890	.....	.....	† 1,400
Joseph Bruser.....	Assistant inspector.....	Dec. 15, 1890	.....	.....	† 1,200
Chas. E. Collins.....	do.....	Apr. 15, 1890	.....	.....	† 1,400
Anderson M. Hunter.....	do.....	do.....	.....	.....	† 1,200
Perry Hodgden.....	do.....	Apr. 1, 1891	.....	.....	† 1,200
Wm. D. Jorden.....	do.....	Apr. 20, 1891	.....	.....	† 1,200
J. C. Lambdin.....	do.....	Apr. 1, 1891	.....	.....	† 1,200
A. J. McCoy.....	do.....	Apr. 1, 1890	.....	.....	† 1,600
Thos. H. Oshel.....	do.....	July 11, 1890	.....	.....	† 1,200
Howard Rhodes.....	do.....	Apr. 15, 1890	.....	.....	† 1,200
Do.....	do.....	Dec. 1, 1890	.....	.....	† 1,600
Wm. S. Wade.....	do.....	Mar. 7, 1891	.....	.....	† 1,200
D. M. Ward.....	do.....	Jan. 1, 1891	.....	.....	1,400
<i>Buffalo.</i>					
David Parker.....	Veterinary inspector.....	Dec. 20, 1890	.....	.....	† 1,400
Elmer E. Hoover.....	Assistant inspector.....	Aug. 8, 1890	.....	.....	† 1,200
O. P. Vandenberg.....	do.....	Nov. 13, 1890 <sup>3</sup>	.....	.....	† 1,000
James Welch.....	do.....	Nov. 24, 1890 <sup>3</sup>	.....	.....	† 1,000
Guy A. Adams.....	Tagger.....	Nov. 17, 1890	.....	† 2.50	.....
T. W. Farthing.....	do.....	do.....	.....	† 2.50	.....
John N. Lester.....	do.....	do.....	.....	† 2.50	.....
<i>New York.</i>					
Ch. B. Michener.....	Veterinary inspector.....	Nov. 1, 1890 <sup>3</sup>	May 28, 1891 <sup>4</sup>	† 8.00	.....
W. H. Rose.....	do.....	May 27, 1891 <sup>5</sup>	.....	† 8.00	.....
Thos. H. Ashe.....	do.....	Dec. 15, 1890	.....	.....	† 1,400
Henry Brister.....	do.....	Nov. 8, 1890 <sup>3</sup>	.....	.....	† 1,200
Do.....	do.....	Jan. 1, 1891	.....	.....	† 1,400
Thos. Goulard.....	Inspector.....	Nov. 1, 1890	Mar. 1, 1891 <sup>6</sup>	.....	† 2,000
Jos. P. McEnaney.....	Clerk.....	Dec. 20, 1890	.....	.....	1,000
Chas. A. Forshaw.....	do.....	Nov. 8, 1890 <sup>3</sup>	Jan. 1, 1891	.....	1,000
George Cornish.....	Assistant inspector.....	do <sup>3</sup> .....	.....	.....	† 1,000
William Foley.....	do.....	do <sup>3</sup> .....	.....	.....	† 1,000
Hiram Jerome.....	do.....	do <sup>3</sup> .....	.....	.....	† 1,000
James Flannery.....	Tagger.....	Dec. 20, 1890	.....	† 2.50	.....
Joseph Jarvis.....	do.....	do.....	.....	† 2.50	.....
Chas. W. Petty.....	do.....	do.....	.....	† 2.50	.....
James Russell.....	do.....	do.....	.....	† 2.50	.....
<i>Boston.</i>					
Wm. H. Way.....	Veterinary inspector.....	Nov. 20, 1890	.....	.....	† 1,400
Thomas Coyle.....	Assistant inspector.....	Nov. 8, 1890 <sup>3</sup>	.....	.....	† 1,000
Eugene R. Hendley.....	Clerk.....	Nov. 8, 1890	.....	.....	† 1,000
John W. Hitchings.....	Tagger.....	Nov. 20, 1890	.....	.....	† 1,000
L. L. Bullard.....	do.....	Nov. 19, 1890	.....	† 2.50	.....
Luther Holten.....	do.....	Nov. 20, 1890	.....	† 2.50	.....
Chas. F. Raymond.....	do.....	Nov. 19, 1890	Jan. 31, 1891	† 2.50	.....
John Shannon.....	do.....	Feb. 9, 1891	.....	† 2.50	.....
<i>Philadelphia.</i>					
Wm. B. E. Miller.....	Veterinary inspector.....	Nov. 1, 1890 <sup>7</sup>	.....	.....	† 1,600
George Carter.....	Assistant inspector.....	Nov. 1, 1890 <sup>1</sup>	.....	.....	† 1,000
Edwin S. Huff.....	do <sup>1</sup> .....	.....	.....	.....	1,000
James Baird.....	Tagger.....	Dec. 15, 1890	.....	2.50	.....
William Krause.....	do.....	do.....	.....	2.50	.....
Louis Rosenberg.....	do.....	Dec. 24, 1890	.....	2.50	.....
Wm. H. Hendrickson.....	Temporary tagger.....	Feb., 1891	.....	2.50	.....
<i>Baltimore, Norfolk, and Newport News.</i>					
Geo. C. Faville.....	Veterinary inspector.....	Nov. 1, 1890 <sup>8</sup>	.....	.....	† 10.00
A. W. Clement.....	do.....	do <sup>8</sup> .....	.....	.....	† 2,000

<sup>1</sup> Transferred from Pennsylvania.

<sup>2</sup> Transferred to New York.

<sup>3</sup> Transferred from pleuro-pneumonia work.

<sup>4</sup> Transferred to Washington.

<sup>5</sup> Transferred from Kansas City.

<sup>6</sup> Transferred to meat inspection.

<sup>7</sup> Transferred from New Jersey.

<sup>8</sup> Transferred from Maryland.

*List of employés during the fiscal year ending June 30, 1891—Continued.*

• STOCK YARDS AND EXPORT CATTLE INSPECTION—Continued.

[\* Promotion. † Traveling expenses.]

Name.	Capacity.	Date of appointment.	Services rendered.	Compensation.	
				Per diem.	Per annum.
<i>Baltimore, Norfolk, and Newport News—Con.</i>					
Albert Hassall .....	Veterinary inspector .....	Mar. 7, 1891	Apr. 1, 1891 <sup>1</sup>	.....	\$1,200
Chas. F. Nesbit .....	Assistant inspector .....	Mar. 3, 1891	.....	.....	†1,000
Isaac L. Ball .....	Clerk .....	Nov. 1, 1890 <sup>2</sup>	.....	.....	1,000
James Boyd .....	Tagger .....	Nov. 10, 1890	.....	.....	\$†2.50
Jas. A. Cunningham .....	do .....	Feb. 16, 1891	.....	.....	†2.50
Robt. Fisher .....	do .....	Nov. 10, 1890	.....	.....	†2.50
David Holland .....	do .....	do .....	.....	.....	†2.50
<i>Great Britain.</i>					
J. H. Sanders .....	Special agent .....	July 14, 1890	Mar. 10, 1891	†13.50	.....
Wm. H. Wray .....	Veterinary inspector .....	July 17, 1890 <sup>2</sup>	.....	†8.00	.....
Do .....	do .....	Aug. 1, 1890	.....	.....	†10.00
A. D. Melvin .....	do .....	July 21, 1890 <sup>3</sup>	.....	.....	†2,000
James F. Ryder .....	do .....	July 18, 1890 <sup>2</sup>	.....	.....	†1,600
Do .....	do .....	Aug. 1, 1890	.....	.....	†1,800
<i>Miscellaneous.</i>					
T. L. Armstrong .....	Veterinary inspector .....	Apr. 1, 1890 <sup>2</sup>	.....	.....	†1,800
D. R. Alton .....	Assistant inspector .....	July 11, 1890	.....	.....	†1,200
James Irwin .....	do .....	Apr. 1, 1890	.....	.....	†1,200
Do .....	do .....	Aug. 15, 1890	.....	.....	†1,400
E. C. Matheny .....	do .....	June 10, 1891	.....	.....	†1,000
Robt. W. Ardary .....	Veterinary inspector .....	Dec. 26, 1890	.....	.....	†1,400
Wilson F. Braden .....	Assistant inspector .....	Mar. 15, 1890	.....	.....	†1,000
John M. Wardlaw .....	Inspector .....	Feb. 15, 1890	.....	.....	†1,600

MEAT INSPECTION.

<i>Chicago.</i>						
V. T. Atkinson .....	Veterinary inspector .....	Apr. 1, 1891	.....	.....	.....	†\$2,000
Lewis R. Baker .....	do .....	June 19, 1891	.....	.....	1,600	
John E. Miller .....	do .....	Apr. 11, 1891 <sup>4</sup>	.....	.....	.....	†1,200
Daniel B. Sayre .....	do .....	do <sup>1</sup>	.....	.....	.....	†1,400
Thomas W. Watson .....	do .....	June 17, 1891	.....	.....	.....	1,600
Daniel Gano .....	Inspector .....	Mar. 1, 1891 <sup>5</sup>	.....	.....	.....	
E. Balzar .....	Microscopist .....	May 25, 1891	.....	.....	.....	1,800
F. M. Bernard .....	do .....	do .....	.....	.....	.....	1,800
John Michels .....	do .....	do .....	.....	.....	.....	1,800
James E. Drom .....	Assistant inspector .....	Mar. 1, 1891 <sup>6</sup>	.....	.....	.....	1,200
John B. Sine .....	do .....	Apr. 20, 1891	.....	.....	.....	1,200
William Hill .....	do .....	June 24, 1891	.....	.....	.....	1,000
James Fielding .....	do .....	Apr. 16, 1891	.....	.....	.....	900
John Hatch .....	Foreman .....	June 15, 1891	.....	.....	.....	1,000
W. W. Bingham .....	Tagger .....	June 20, 1891 <sup>1</sup>	.....	.....	.....	720
Archibald Campbell .....	do .....	June 22, 1891	.....	.....	.....	720
Thomas G. Clark .....	do .....	June 18, 1891	.....	.....	.....	720
S. L. Coleman .....	do .....	June 20, 1891	.....	.....	.....	720
C. H. Calling .....	do .....	June 18, 1891	.....	.....	.....	720
C. M. Campbell .....	do .....	June 22, 1891	.....	.....	.....	720
John Flaherty .....	do .....	June 18, 1891	.....	.....	.....	720
Richard J. Healy .....	do .....	do .....	.....	.....	.....	720
Chris. A. Herrmann .....	do .....	June 23, 1891	.....	.....	.....	720
Wm. C. Kleinman .....	do .....	June 20, 1891	.....	.....	.....	720
James A. Murphy .....	do .....	June 18, 1891	.....	.....	.....	720
Wm. McCullough .....	do .....	June 22, 1891	.....	.....	.....	720
F. F. Noxon .....	do .....	June 20, 1891	.....	.....	.....	720
John Parker .....	do .....	June 18, 1891	.....	.....	.....	720
W. S. Rose .....	do .....	June 23, 1891	.....	.....	.....	720
Frank Schroeder .....	do .....	June 1, 1891	.....	.....	.....	720
Chas. H. Smith .....	do .....	June 18, 1891	.....	.....	.....	720
C. S. Thompson .....	do .....	June 1, 1891	.....	.....	.....	720
Peter Tracy .....	do .....	June 18, 1891	.....	.....	.....	720
H. E. Woodford .....	do .....	June 22, 1891	.....	.....	.....	720
Nannie A. Andrews .....	Assistant microscopist .....	do .....	.....	.....	600	
Laura D. Burke .....	do .....	do .....	.....	.....	600	

<sup>1</sup> Transferred to Washington.

<sup>2</sup> Transferred from Maryland.

<sup>3</sup> Transferred from Chicago.

<sup>4</sup> Transferred from import.

<sup>5</sup> Transferred from export.

*List of employés during the fiscal year ending June 30, 1891—Continued.*

MEAT INSPECTION—Continued.

[\* Promoted. † Traveling expenses.]

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
<i>Chicago—Continued.</i>					
Libbie Bacon .....	Assistant microscopist .....	June 20, 1891			\$600
Malvina A. Bixby .....	do .....	June 22, 1891			600
A. G. Bennett .....	do .....	June 20, 1891			600
Reuben Bakenhus .....	do .....	June 22, 1891			600
Harald Boedtker .....	do .....	June 20, 1891			600
Gaylord H. Brown .....	do .....	June 18, 1891			600
Libbie A. Connor .....	do .....	June 22, 1891			600
Geo. B. Crandal .....	do .....	do .....			600
Ellwood V. Davis .....	do .....	June 18, 1891			600
C. H. Eddy .....	do .....	June 25, 1891			600
James M. Eakins .....	do .....	June 20, 1891			600
Blanche A. Forshee .....	do .....	June 22, 1891			600
Lillie Flood .....	do .....	June 20, 1891			600
Alice Hadley .....	do .....	do .....			600
Mary Henderson .....	do .....	June 24, 1891			600
Tessie C. Hayey .....	do .....	June 20, 1891			600
Samuel C. Hickman .....	do .....	do .....			600
Geo. A. Huff .....	do .....	do .....			600
Ragna Kristensen .....	do .....	do .....			600
Reinhard Kochanowski .....	do .....	do .....			600
Nate E. Merrill .....	do .....	do .....			600
Guy Miltimore .....	do .....	June 22, 1891			600
Isabelle Pierce .....	do .....	June 20, 1891			600
Bertha P. Quinn .....	do .....	June 24, 1891			600
Adelia M. Stewart .....	do .....	June 20, 1891			600
Mollie Scanlan .....	do .....	do .....			600
Gussie Walsh .....	do .....	do .....			600
Theodore B. Zuende'l .....	do .....	do .....			600
<i>Kansas City.</i>					
Edgar R. Allen .....	Veterinary inspector .....	May 1, 1891			1,600
E. S. Dundas .....	do .....	do .....			1,600
Chas. E. Gragg .....	do .....	do .....			1,600
P. D. Hughes .....	Inspector .....	do .....			1,600
John W. Scott .....	do .....	do .....			1,600
Robt. J. McFarland .....	Assistant inspector .....	do .....			1,000
M. S. Michener .....	do .....	do .....			1,000
Robert A. Braman .....	Tagger .....	June 8, 1891			720
J. A. Dyson .....	do .....	do .....			720
Benj. Fowler .....	do .....	do .....			720
Wm. B. Garlick .....	do .....	do .....			720
D. R. Green .....	do .....	do .....			720
Chas E. Husted .....	do .....	do .....			720
Ira Haworth .....	do .....	do .....			720
George Schnierle .....	do .....	do .....			720
Andrew C. Wells .....	do .....	do .....			720
<i>Hammond.</i>					
O. L. Boor .....	Veterinary inspector .....	May 25, 1891			†1,600
John R. Mitchell .....	do .....	do .....			1,600
Orrin W. Snyder .....	do .....	June 15, 1891			1,400
A. A. Winslow .....	Assistant inspector .....	June 1, 1891			1,000
Wm. Bartel .....	Tagger .....	June 22, 1891			720
J. S. Blackmun .....	do .....	do .....			720
Wm. D. Clark .....	do .....	do .....			720
Jas. L. Gerrish .....	do .....	do .....			720
T. H. Jordan .....	do .....	do .....			720
Oscar Krinbill .....	do .....	do .....			720
S. A. Livingstone .....	do .....	do .....			720
Henry Wagner .....	do .....	do .....			720
<i>South Omaha.</i>					
John Forbes .....	Veterinary inspector .....	June 1, 1891			1,600
S. Stewart .....	do .....	Apr. 15, 1891			1,800
J. Wilson .....	do .....	June 29, 1891			1,600
Richard Ebbitt .....	do .....	do .....			1,400
R. Sears .....	do .....	Apr. 15, 1891			1,600
S. W. McGrew .....	Inspector .....	Mar. 17, 1891			1,400
John B. Beishlag .....	Assistant inspector .....	Apr. 15, 1891			1,000
Phelps Paine .....	Clerk .....	June 29, 1891			900
Louis F. Miller .....	Tagger .....	do .....			720

*List of employés during the fiscal year ending June 30, 1891—Continued.*

MEAT INSPECTION—Continued.

[\* Promoted. † Traveling expenses.]

Name.	Capacity.	Date of appointment.	Services rendered.	Compensation.	
				Per diem.	Per annum.
<i>New York.</i>					
W. S. Devoe.....	Veterinary inspector.....	Apr. 15, 1891.....	.....	.....	\$1,800
Jas. H. Ferster.....	do.....	do.....	.....	.....	1,400
Thos. Goulard.....	Inspector.....	Mar. 1, 1891 <sup>1</sup> .....	Apr. 4, 1891.....	.....	†2,000
W. A. Willard.....	Clerk.....	June 3, 1891 <sup>2</sup> .....	.....	.....	†1,400
Benj. B. Mullen.....	Assistant inspector.....	June 5, 1891 <sup>3</sup> .....	.....	.....	†1,000
Jos. Johnson, jr.....	Tagger.....	May 25, 1891.....	.....	.....	720
<i>Jersey City.</i>					
Julius Huelsen.....	Veterinary inspector.....	June 3, 1891 <sup>4</sup> .....	.....	.....	†1,400
W. H. Cooper.....	do.....	June 15, 1891 <sup>4</sup> .....	.....	.....	†1,400
Geo. B. Rose.....	Assistant inspector.....	May 25, 1891.....	.....	.....	1,000

<sup>1</sup> Transferred from export.

<sup>2</sup> Transferred from New Jersey.

<sup>3</sup> Transferred from p. p., New York.

<sup>4</sup> Transferred from p. p., New Jersey.

*Expenditures during the fiscal year ending June 30, 1891.*

	Salaries.	Traveling expenses.	Miscel-laneous.	Affected cattle.	Exposed cattle.	Total.	No. of ani-mals—	
							Af-fected.	Ex-posed.
New York.....	\$75,452.88	\$11,174.25	\$4,470.38	\$1,016.63	\$13,846.05	\$105,960.19	35	569
New Jersey.....	31,300.22	8,318.04	1,141.61	382.00	1,771.50	42,913.37	12	67
Pennsylvania.....	1,508.40	50.10	.....	.....	.....	1,558.50	.....	.....
Maryland.....	2,130.82	519.36	92.63	.....	67.50	2,810.31	.....	5
Scientific investiga-tions.....	13,029.53	387.75	21,479.17	.....	.....	34,896.45	.....	.....
Swine diseases.....	4,806.80	58.92	2,031.48	.....	.....	6,897.20	.....	.....
Collecting informa-tion.....	13,338.04	2,963.78	1,366.33	.....	.....	17,668.15	.....	.....
Reported diseases.....	546.57	647.09	60.00	.....	.....	1,253.66	.....	.....
Export cattle and stock yards in-spection.....	73,045.33	14,737.28	15,014.99	.....	.....	102,797.60	.....	.....
Import cattle in-spection.....	6,414.82	1,062.33	134.45	.....	.....	7,611.60	.....	.....
Meat inspection.....	9,300.80	622.26	14,202.23	.....	.....	24,125.29	.....	.....
Washington and miscellaneous.....	25.271.36	1,043.43	34,064.40	.....	.....	60,379.19	.....	.....
Total .....	256,145.57	41,584.59	94,057.67	1,398.63	15,685.05	408,871.51	47	641

*Amount expended from the balance (\$136,793.81) of the appropriation for 1889-'90, and reappropriated for 1890-'91.*

	Salaries.	Traveling expenses.	Miscel-laneous.	Affected cattle.	Exposed cattle.	Total.	No. of ani-mals—	
							Af-fected.	Ex-posed.
New York.....	\$34,036.99	\$5,101.04	\$1,573.06	\$340.00	\$9,620.50	\$50,671.59	11	399
New Jersey.....	13,566.50	3,346.83	598.16	382.00	1,553.50	19,446.99	12	58
Pennsylvania.....	1,132.00	45.96	.....	.....	.....	1,177.96	.....	.....
Maryland.....	1,433.71	372.14	88.88	.....	47.50	1,942.23	.....	3
Scientific investiga-tions.....	4,840.21	146.66	4,927.43	.....	.....	9,914.30	.....	.....
Swine diseases.....	1,958.30	.....	31.95	.....	.....	1,990.25	.....	.....
Collecting informa-tion.....	5,449.17	1,523.06	99.44	.....	.....	7,071.67	.....	.....
Reported diseases.....	342.22	380.36	.....	.....	.....	722.58	.....	.....
Export cattle and stock yards inspection.....	15,545.69	4,694.83	4,719.20	.....	.....	24,959.72	.....	.....
Import cattle inspec-tion.....	686.02	248.44	3.40	.....	.....	937.86	.....	.....
Washington and miscellaneous.....	9,379.22	431.77	7,149.68	.....	.....	16,960.67	.....	.....
Total .....	88,370.03	16,291.09	19,191.20	722.00	11,221.50	135,795.82	23	460

Expended from the appropriation for 1890-91, by States.

## NEW YORK.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1890.	S. T. Velsor	Assistant	Salary and expenses, July	\$84.20	\$34.52			
Aug. 14	B. B. Mullen	do	do	84.20	6.60			
14	Earl A. Gillespie	East New York	Lumber					
14	F. & J. G. Jenkins, Jr.	Brooklyn	Office rent					
14	Canda & Kane	New York	Lime					
14	C. Frank	Brooklyn	Services	10.00				
14	Nassau Gaslight Co.	do	Charges					
16	A. R. Robertson		Expenses, July				1.12	
16	do		Salary and expenses, July				30.27	
19	John Bingham	New York	Stationery	324.00	75.29			
28	Metropolitan Telephone and Telegraph Co.	do	Rental and tolls		33.49		88.05	
			Total for month	\$925.65	502.40	149.90	273.35	
Sept.	Edward Hill's Son & Co	Washington	Blaching powder				106.34	
2	H. Baumgarten		10,000 tacs				170.00	
4	H. D. Gill	Clerk	Salary and expenses, August	134.80			45.00	
4	Edward Devoe	do	Salary for August	151.60				
4	J. B. Docharty	do	do	126.40				
4	D. G. Hatch	do	do	126.40				
4	J. S. Sargent	Assistant	Salary and expenses, August	84.20				
4	C. A. Wilcox	Clerk	do	101.10				
4	J. F. Klinner	do	do	84.20				
4	J. J. Hearne	do	do	84.20				
4	L. E. Block	do	do	84.20				
4	Wm. H. Bogart	do	do	84.20				
4	J. J. Rabineau	do	do	84.20				
5	C. B. Michener		Salary and expenses, August	248.00			16.07	
5	Jas. A. Walrath	do	do	168.50			59.19	
5	R. W. Hickman	do	do	168.50			47.70	
5	R. R. Bell	do	do	134.80			45.00	
5	Chas. H. Perry	do	do	134.80			39.12	
5	Richard Kay	do	do	151.60			3.76	
5	W. H. Pendry	do	do	117.90			14.22	
5	F. H. Pendleton	Assistant	do	84.20			30.00	
5	Henry Brister	do	do	101.10			5.32	
5	Hiram Jerome	Assistant	Salary for August	84.20				
5	John H. Eadie	do	do	84.20				
5	G. L. Cohn	do	do	84.20				
5	Adolph Bevers	Clerk	do	84.20				
5	Alex. Devin, Jr.	Assistant	do	84.20				

*Expended from the appropriation for 1890-'91, by States—Continued.*

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1890.								
Sep. 5	James Smith.....	Assistant.....	Salary for August .....	\$84.20				
	Geo. Cornish.....	do	do	\$4.20				
	Fred K. Metzger.....	do	do	\$4.20				
	W. J. Watt <i>et al.</i> .....	Disinfectors, etc.....	Salaries, August.....	10.00				
5	C. Frank.....	Brooklyn.....	Services, August.....					
6	J. W. S. Ortiz.....	Assistant.....	Salary and expenses, August .....	\$84.20	\$3.88			
6	J. R. Taylor.....	do	do	\$4.20	5.97			
6	C. A. Forshaw.....	Clerk.....	do	134.80	35.35			
6	H. S. Vanderhoff.....	do	do	208.00	11.07			
6	N. H. Paaren.....	do	do	240.00	153.05			
6	W. Judson Smith.....	do	do	\$8.20	8.52			
6	John Mesick.....	do	do	208.00	44.82			
8	H. B. Ambler.....	Appraiser.....	do	101.10	116.19			
8	Jos. H. Storn.....	do	do	101.10	62.63			
8	S. T. Velson.....	do	do	84.20	35.62			
8	Austin Cornwell.....	do	do	84.20	35.62			
8	E. Valentine.....	do	do	84.20	35.62			
8	P. C. Vandewater.....	do	do	84.20	33.32			
8	Michael Nau.....	do	do	84.20	32.22			
8	C. E. Grogan.....	do	do	84.20	8.97			
8	F. Hallenbeck.....	do	do	84.20	8.37			
8	Wm. J. Taylor.....	do	do	84.20	6.52			
8	Wm. W. Hughes.....	do	do	84.20	6.47			
8	B. B. Mullens.....	do	do	84.20	5.77			
8	Wm. Foley.....	do	do	84.20	4.67			
8	C. H. Bliss.....	do	do	84.20	3.83			
8	O. P. Vandenberg.....	do	do	84.20	3.62			
8	E. H. Flavin.....	do	do	84.20	3.15			
8	Samuel Jarvis.....	do	do	84.20	1.27			
12	C. S. Vosburgh.....	do	do	84.20	4.77			
12	James Welch.....	do	do	84.20	13.05			
12	Geo. G. Van Mater.....	New York.....	Salary for August .....	\$8.75				
12	F. & J. G. Jenkins, Jr.....	Brooklyn.....	Salary and expenses, Aug. 1 to 9.....	45.00				
12	Bogardus, Ellaby & Ellsworth.....	New York.....	Office rent.....	18.00				
12	Earl A. Gillespie.....	E. New York.....	Hog rings.....	18.00				
12	Nassau Gas Light Co.....	Brooklyn.....	Charges.....	3.84				
16	A. K. Robertson.....	do	Salary and expenses, August .....	312.00	8.54			
16	John Bingham.....	New York.....	Stationery.....		176.45			
22	A. K. Robertson.....	do	Expenses, August .....		25.27			

## OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY.

37

26	M. Redington	Queens County	5 animals	\$134.56	
26	do	do	16 animals	197.70	\$197.70
26	John J. Gorr	do	11 animals	416.00	416.00
26	do	do	3 animals	138.90	138.90
26	George Schneider	do	14 animals	485.96	485.96
26	Jacob S. J. Jones	do	1 animal	30.00	30.00
26	Henry Kordes	Kings County	6 animals	140.76	140.76
26	Louis Gans	do	10 animals	347.11	347.11
26	Bridget Ward	do	9 animals	223.64	223.64
26	Jacob Strauss	do	1 animal	15.00	15.00
26	do	do	10 animals	190.34	190.34
26	Henry Crane	do	5 animals	163.60	163.60
26	Francis Cain	do	6 animals	156.00	156.00
26	Michael Quigley	do	do	152.70	152.70
26	Mary Kane	do	4 animals	107.40	107.40
26	Elizabeth Broest	do	3 animals	81.00	81.00
26	Patrick Cain	do	2 animals	70.92	70.92
26	Mary Lawless	do	do	65.60	65.60
26	Fanny C. McCay	do	1 animal	40.45	40.45
26	Patrick Cummings	do	2 animals	37.60	37.60
26	H. Koerner	do	1 animal	27.76	27.76
26	Benjamin Bryon	do	do	25.00	25.00
26	Bridget Kirvan	do	2 animals	24.10	24.10
26	William Bradshaw	do	1 animal	18.27	18.27
26	Kuhnpie Oechslar	do	do	15.00	15.00
26	Elizabeth Misner	do	do		
			Total for month	\$12,826.48	7,487.79
				1,082.82	1,082.82
				632.25	632.25
				273.46	273.46
				3,350.16	3,350.16
<hr/>					
Oct.					
3	D. G. Hatch	Clerk	Salary for September		
4	W. J. Jason Smith		Salary and expenses, September		
4	N. H. Paaren	do	do	122.20	122.20
6	B. W. Hickman	do	do	260.00	105.24
6	R. R. Bell	do	do	208.00	10.77
6	H. D. Gill	do	do	163.00	45.00
6	Richard Kay	do	do	130.40	45.00
6	P. C. Vandewater	do	do	146.80	4.32
6	Austin Cornwall	do	do	81.60	33.92
6	Michael Nau	do	do	81.60	33.42
6	C. A. Wilcox	do	do	81.60	31.52
6	W. W. Hughes	do	do	97.80	3.44
6	C. A. Forshev	do	do	81.60	7.92
6	F. Hallenbeck	do	do	81.60	7.77
6	O. P. Vandenberg	do	do	81.60	4.67
6	Edward Devoe	Clerk	Salary for September		
6	J. B. Docharty	do	do	146.80	146.80
6	J. F. Kilner	do	do	122.20	122.20
6	J. J. Robineau	do	do	97.80	97.80
6	L. E. Block	do	do	81.60	81.60
6	J. J. Hearne	do	do	81.60	81.60
6	Adolph Beyers	do	do	81.60	81.60
6	Alex. Devlin, Jr.	Assistant	do		

*Expended from the appropriations for 1890-'91, by States—Continued.*

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Traveling expenses.	Miscellane-ous.	Affected cattle.	Exposed cattle.
Oct. 6	James Smith	Assistant.....	Salary for September.....	\$81.60			
6	G. L. Conn	do	do	81.60			
7	H. B. Ambler	do	Salary and expenses, September .....	208.00	\$42.32		
7	H. S. Vanderhoff	do	do	130.40	69.26		
7	W. H. Pendry	do	do	114.20	19.12		
7	E. Valentine	do	do	81.60	34.52		
7	F. H. Pendleton	do	do	81.60	30.00		
7	J. S. Sargent	do	do	81.60	30.00		
7	Henry Brister	do	do	97.80	6.20		
7	Wm. Foley	do	do	81.60	7.97		
7	John Mesick	do	do	81.60	6.77		
7	Wm. J. Taylor	do	do	81.60	6.52		
7	B. B. Mullen	do	do	81.60	6.22		
7	C. E. Grogan	do	do	81.60	5.42		
7	Wm. H. Bogart	do	do	81.60	4.92		
7	Jas. R. Taylor	do	do	81.60	4.72		
7	C. S. Vosburgh	do	do	81.60	4.32		
7	E. H. Flavin	do	do	81.60	3.45		
7	J. W. S. Ordz	do	do	81.60	3.00		
7	C. H. Bliss	do	do	81.60	2.68		
7	Saml. Jarvis	do	do	81.60	1.12		
7	Frederk. Motzger	do	Salary for September .....	81.60			
7	Geo. Cornish	do	do	81.60			
7	Hiram Jerome	do	do	81.60			
7	J. H. Eadie	do	do	81.60			
7	James Welch	do	do	81.60			
7	C. James Frank	Janitor	Services for September 1 to 15.....	40.76			
9	C. B. Michener	do	Services for September 1 to 10—20 to 30.....	10.00			
9	Jos. A. Walrath	do	Salary and expenses, September .....	168.00	7.58	\$0.75	
9	Jos. H. Storm	Appraiser	do	163.00	45.00		
9	Jas. H. Clark	do	do	97.80	107.57		
9	S. T. Velson	do	do	97.80	56.07	6.24	
9	W. J. Watt, et al.	Disinfectors, etc.	do	81.60	34.32	.35	
10	Edward T. Jenkins	Brooklyn	Salaries for September .....	14.40	60		
15	D. G. Hatch	Clerk	Office rent		61.14	45.00	
17	A. K. Robertson	do	Salary for October 1 to 15.....	312.00	5.65		
17	Chas. H. Perry	do	Salary and expenses for September .....	44.55	9.62		
17	Canda & Kane	New York	Expenses September .....	130.40	34.62		
17	Nassau Gas Light Co	do	Salary and expenses September .....				
17	Brooklyn	Stationery .....	Line charges .....				

## OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY.

39

17	New York and New Jersey	do		38.75	\$72.14
18	Telephone Co.	do			
18	J. C. Blackwell	Kings County	7 animals	\$23.29	
18	do	do	1 animal	254.54	
18	do	do	11 animals	590.93	
18	Anne O'Connor	do	23 animals	147.25	
18	do	do	5 animals	995.61	
18	Aloolph Weber	do	36 animals	724.21	
18	Michael Subzback	do	25 animals	542.80	
18	Robert L. Craig	do	23 animals	416.96	
18	Hugh Kenny	do	22 animals	186.42	
18	J. C. Whitson	do	13 animals	115.80	
18	William Savage	do	6 animals	87.20	
18	Edward J. Moit	do	do	45.92	
18	Ottilie Hemmrich	do	2 animals	31.59	
18	Solomon Erb	do	1 animal	31.21	
18	Abraham Ruth	do	do	18.78	
18	Mary Friedel	do	2 animals	10.00	
18	C. H. Ryan	do	1 animal	5.25	
18	Fred Feibinger	do	do		
18	Charles Gilbert	do	do		
18	Laura E. Jones	Queens County	3 animals	100.00	
18	Albert Lichtenheldt	do	1 animal	170.00	
18	Jacob Strauss	do	do		
18	Wm. M. Smith	do	do		
18	Haiman Rubin	do	do		
27	Jacob Elitz & Son	New York	Coal		
			Total for month	\$13,184.71	4,394.81
4	H. Baumgarten	Washington	7,471.70	1,005.40	246.26
4	W. J. Watt, et al.	Disinfectors, etc.	10,000 tags		66.54
5	R. W. Hickman	do	Salaries, October		
5	Edward Devoe	Clerk	Salary and expenses, October		
5	J. B. Docharty	do	Salary for October		
5	J. F. Kinner	do	do		
5	L. E. Block	do	do		
5	J. J. Rabinowitz	do	do		
5	Vin. H. Bogart	Assistant	do		
5	Jos. J. Hearne	Clerk	do		
5	D. G. Hatch	do	do		
7	W. J. Judson Smith	do	do		
7	H. B. Ambler	do	do		
7	C. B. Michener	do	do		
7	N. H. Paaren	do	do		
7	Jas. A. Walrath	do	do		
7	H. D. Gill	do	do		
7	J. R. Bell	do	do		
7	C. H. Perry	do	do		
7	Richard Kay	do	do		
7	W. H. Penney	do	do		
7	Henry Brister	do	do		

*Extract from the appropriations for 1890-'91, by States—Continued.*

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid,	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1890.								
Nov. 7	C. A. Wilcox.....	Clerk.....	Salary and expenses, October .....	\$101.10	\$1.56			
8	F. H. Pendleton.....	Assistant.....	do .....	84.20	30.00			
8	J. S. Sargent.....	do .....	do .....	84.20	6.67			
8	B. B. Millen.....	do .....	do .....	84.20	4.67			
8	C. S. Vosburgh.....	do .....	do .....	84.20	3.82			
8	John Messick.....	do .....	do .....	84.20	3.72			
8	C. H. Bliss.....	do .....	do .....	84.20	3.42			
8	E. H. Flavin.....	do .....	do .....	84.20	.....			
8	J. H. Fadie.....	do .....	do .....	84.20	.....			
8	Jas. Smith.....	do .....	do .....	84.20	.....			
8	G. L. Cohn.....	do .....	do .....	84.20	.....			
8	Alex. Devlin, Jr.....	do .....	do .....	84.20	.....			
8	Hiram Jerome.....	do .....	do .....	84.20	.....			
8	A. Dolph Bevers.....	Clerk.....	Salary and expenses, October .....	134.80	55.74			
11	H. S. Vanderhoff.....	Assistant.....	do .....	84.20	34.52			
11	Austin Cornwell.....	do .....	do .....	84.20	34.52			
11	S. T. Velsor.....	do .....	do .....	84.20	34.52			
11	E. Valentine.....	do .....	do .....	84.20	34.28			
11	P. C. Vandewater.....	do .....	do .....	84.20	30.82			
11	Michael Nau.....	do .....	do .....	84.20	8.07			
11	C. A. Forshew.....	Clerk.....	do .....	84.20	7.97			
11	W. H. Hughes.....	Assistant.....	do .....	84.20	7.97			
11	C. E. Grogan.....	do .....	do .....	84.20	6.72			
11	Wm. J. Taylor.....	do .....	do .....	84.20	5.12			
11	Wm. Foley.....	do .....	do .....	84.20	4.92			
11	J. W. S. Ortiz.....	do .....	do .....	84.20	4.68			
11	Samuel Jarvis.....	do .....	do .....	84.20	2.82			
11	Jas. Welch.....	do .....	do .....	84.20	2.47			
11	Geo. Cornish.....	do .....	do .....	84.20	2.32			
11	O. P. Vandenberg.....	do .....	do .....	84.20	.....			
11	F. Hallenbeck.....	do .....	do .....	84.20	.....			
11	Fredrik Metzger.....	do .....	do .....	84.20	.....			
11	Edward T. Jenkins.....	do .....	do .....	84.20	.....			
11	J. L. Mott Iron Works.....	Brooklyn.....	Office rent.....	.....	\$45.00			
11	Thomas V. Taylor.....	New York.....	Stove, etc.	.....	22.87			
11	C. Frank.....	Brooklyn.....	Coil, etc.	.....	20.00			
11	Bogardus, Ellahy & Ellsworth.....	New York.....	Services	10.00	.....			
12	Jos. H. Storn.....	New York.....	Hog rings	.....	6.75			
12	Jas. H. Clark.....	Appraiser.....	Salary and expenses, October .....	101.10	98.48			
12	John Bingham.....	do .....	do .....	101.10	59.99			
17	A. K. Robertson.....	New York.....	Stationery	324.00	37.40			
			Salary and expenses, October.....	324.00	24.16			

## OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY.

41

Do.....		Assistant.....		Expenses, October.....	84.20	37.45	7.62
17 Jas. R. Taylor.		Clerk.....		Salary and expenses, October.....	61.14	22.52	
18 D. G. Hatch.		Queens County.....		Salary, Nov. 1 to 15.....		\$91.08	
22 Alexander Dickson.				9 animals.....		25.00	
22 Henry Doht.				1 animal.....		19.54	
22 Thos. W. Banks.				do.....			
				Total for month .....	\$9,005.03	309.64	135.62
17 Edward Devoe.	4	Clerk.....		Salary for November.....	146.80		
4 Jas. B. Dochary.		do.....		do.....	122.20		
4 John F. Kilmer.		do.....		do.....	97.80		
4 J. J. Rabineau.		do.....		do.....	81.60		
4 F. Hallenbeck.		do.....		do.....	81.60		
4 L. E. Block.		do.....		do.....	81.60		
4 J. J. Hearn.		do.....		do.....	81.60		
4 C. A. Wilcox.		do.....		Salary and expenses, November.....	97.80	1.57	
4 W. J. Watt et al.		Patrolmen.....		Salaries for November.....	892.50		
5 H. S. Vanderhoff.				Salary and expenses, November.....	130.40	55.42	
5 H. D. Gill.				do.....	130.40	45.00	
5 R. R. Bell.				do.....	130.40	45.00	
5 Richard Kay.		Assistant.....		do.....	146.80	5.26	
5 E. Valentine.		do.....		do.....	81.60	35.62	
5 P. C. Vandewater.		do.....		do.....	81.60	35.32	
5 Austin Cornwell.		do.....		do.....	81.60	34.52	
5 Michael Nan.		do.....		do.....	81.60	31.52	
5 F. H. Pendleton.		do.....		do.....	81.60	30.00	
5 W. W. Hughes.		do.....		do.....	81.60	7.07	
5 Chas. E. Grozen.		do.....		do.....	81.60	7.07	
5 Wm. J. Taylor.		do.....		do.....	81.60	6.72	
5 Jas. R. Taylor.		do.....		do.....	81.60	5.12	
6 C. H. Bliss.		Clerk.....		do.....	81.60	4.11	
5 Adolph Beyers.		Assistant.....		do.....	81.60		
5 J. H. Eadie.		do.....		do.....	81.60		
5 G. L. Colm.		do.....		do.....	81.60		
5 Alex. Devlin, Jr.		do.....		do.....	81.60		
5 James Smith.		do.....		do.....	81.60		
5 Kathie Dieckhoff.		Queens County.....		24 animals.....			
5 Charles Levi.		Kings County.....		13 animals.....			
5 Mary Gans.				11 animals.....			
6 J. W. S. Ortiz.		Assistant.....		Salary and expenses, November.....	81.60	2.97	
6 Samuel Jarvis.		do.....		do.....	81.60	1.63	
6 C. Frank.		New York.....		Linen.....			
8 B. B. Mullens.		Brooklyn.....		Services.....	10.00		
8 John Mesick.		Assistant.....		Salary and expenses, November.....	81.60	6.82	
8 J. S. Sargent.		do.....		do.....	81.60	8.21	
8 Edward T. Jenkins.		Brooklyn.....		Office rent.....			
9 H. P. Vandenberg.		Assistant.....		Salary and expenses, November 1 to 14.....	38.04		
9 N. H. Daaren.				Salary and expenses, November.....	216.00	20.53	
9 Jos. H. Storm.				do.....	192.00	97.80	
9 Appraiser.				do.....			

*Expended from the appropriation for 1890-'91, by States—Continued.*

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1891.								
Dec. 9	Chas. H. Perry.		Salary and expenses, November .....	\$130.40	\$34.62			
9	W. H. Pendry.		do	114.20	42.97			
9	Jas. H. Clerk.	Appraiser	do		97.80			
9	S. T. Velsor.	Assistant	do		81.60	49.80		
9	E. H. Flavin.		do		81.60	34.52		
9	Fred K. Metzger.		do		81.60	3.10		
9	C. S. Vosburgh.		do		81.60	2.32		
10	W. J. Smith.		do		81.60	.82		
			Salary and expenses, November 1 to 3 and 21 to 30.	190.00	99.97			
10	Henry Brister.		Salary and expenses, November 1 to 7 .....	22.83	1.20			
10	George Cornish.	Assistant	do	19.02	1.40			
10	Wm. Foley.		do	19.02	1.40			
10	C. A. Forsythe.	Clerk	do	19.02	1.00			
10	Hiram Jerome.	Assistant	do	19.02				
10	James Watch.		Salary for November 1 to 7 .....	62.50	2.06			
17	Wm. H. Bogart.		Salary and expenses, November 1 to 23 .....	21.74	1.21			
18	Jas. A. Walrath.		Salary and expenses, November 1 to 8 .....	76.09	45.00			
18	Thos. Coyle.	Disinfector		35.33				
19	A. K. Robertson.		Salary and expenses, November 1 to 13 .....	300.00	12.66			
19	do		Expenses, November .....		22.32			
23	John Bingley.	New York	Stationery		88.75			
23	Nassau Gaslight Company.	Brooklyn	Charges		12.95			
27	Robert F. Craig.	Kings County	22 animals		6.30			
27	Michael Given.		3 animals					\$627.50
27	Gottlob Leibnacher.		3 animals					81.84
27	Isaac Frank.		1 animal					66.00
27	E. Hachmann.	New York County	do					30.00
27	Patrick Keenan.	Queens County	do					15.00
27	Nicholas Firtting.		do					15.00
27	Edwin F. Abernethy.		do					6.96
			do					6.00
			Total for month .....	\$8,595.01	884.64	109.75		1,739.91
1891.								
Jan. 6	W. Judson Smith.		Salary and expenses, December 1 to 8 and 11 to 31.	5,860.71	250.00	135.82		
9	H. B. Ambler.		Salary and expenses, December .....		248.00	8.07		
9	N. H. Paaren.		do		208.00	11.77		
9	J. A. Wairath.		Salary and expenses, December 22 to 31 .....		54.37	45.12		
9	H. D. Gill.		Salary and expenses, December .....		134.80	45.00		
9	Chas. H. Party.		do		134.80	36.12		
9	W. H. Pendry.		do		117.90	43.47		

9	S. T. Velsor	Assistant	do	34.52
9	P. C. Vandewater	do	do	84.20
9	Chas. A. Wilcox	Clerk	do	34.28
9	Edward Devoe	do	do	101.10
9	Jas. B. Docharty	do	do	151.60
9	John F. Kilmer	do	do	1.54
9	Jos. J. Hearne	do	do	101.10
9	Leon E. Block	do	do	84.20
9	J. J. Rabineau	do	do	84.20
9	F. Hallenbeck	do	do	84.20
9	John H. Eadie	do	do	84.20
9	James Smith	do	do	84.20
9	Alex. Devlin, Jr.	do	do	84.20
9	Adolph Levers	do	do	84.20
9	G. L. Cohn	do	do	84.20
9	W. J. Watt et al	Patrolman, etc.	do	782.75
10	Jos. H. Storn	do	do	108.54
10	H. S. Vanderhoff	do	do	101.10
10	Richard Kay	do	do	134.80
10	Roscoe R. Bell	do	do	151.60
10	Jas. H. Clark	Appraiser	do	134.80
10	Austin Cornwell	Assistant	do	45.00
10	E. Valentine	do	do	101.10
10	Michael Nau	do	do	84.20
10	F. H. Pendleton	do	do	84.20
10	J. S. Sargent	do	do	84.20
10	Chas. E. Grogan	do	do	84.20
10	W. W. Hughes	do	do	84.20
10	John Mesick	do	do	85.20
10	Benj. B. Mullin	do	do	84.20
10	Wm. J. Taylor	do	do	84.20
10	Jas. R. Taylor	do	do	84.20
10	C. S. Vosburgh	do	do	84.20
10	C. H. Bliss	do	do	84.20
10	Samuel Jarvis	do	do	84.20
10	E. H. Flavin	do	do	2.72
		Total for month	\$6,134.71	5,223.42
		Grand total	50,671.59	34,036.99
		Salary and expenses, July	.....	\$117.90
		do	do	117.90
		W. H. Cooper	do	45.20
		R. R. Letts	do	101.10
		Joseph Lockie	do	48.56
		R. H. Moore	do	84.20
				35.66
				35.54
				9,620.50

## NEW JERSEY.

*Expended from the appropriation for 1890-'91—Continued.*

NEW JERSEY—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1890, Aug. 12	Fred'k Bluem.	Assistant.	Salary and expenses, July.....	\$84.20	\$34.95			
	J. H. Phelan.	do	do	84.20	34.65			
	Dan'l F. Shea.	do	do	84.20	32.75			
	I. C. Kilburn.	do	do	84.20	32.20			
	Thos. Crozer.	do	do	84.20	31.95			
	B. S. Watson.	do	do	84.20	30.55			
	Simon Kelly.	do	do	84.20	23.65			
	Melvin Doranmus.	do	do	84.20	13.25			
	D. R. Hobart.	do	do	84.20	5.45			
	Geo. C. Toffey.	do	do	84.20	5.45			
	James Cassay.	do	do	84.20	5.45			
	John Briggs.	do	do	84.20	3.50			
	Mo. Conklin et al.	Disinfectors Jersey City	Salaries, July.....	142.70				
	Geo. Fick.	do	Storeroom Services.....	5.00		\$6.00		
	Joseph Corbett.	do	Office rent .....			50.00		
	F. H. Spengeman.	do	Total for month.....	\$2,192.14	1,663.40	472.74	56.00	
Sept. 10	Wm. B. E. Miller.	Salary and expenses, August.....		134.80	45.00			
10	W. H. Cooper.	do		117.90	45.00			
10	W. W. Curry.	do		117.90	45.00			
10	W. A. Willard.	Clerk		117.90	9.35			
10	I. C. Kilburn.	Assistant.		84.20	42.35			
10	Melvin Doranmus.	Clerk		84.20	13.25			
10	W. L. Ferguson.	do	Salary for August .....	84.20				
10	Floy McEwen.	do	do	84.20				
10	C. D. Noonan.	do	do	70.80				
10	Mo. Conklin et al.	Disinfectors Jersey City	Salaries, August.....	142.70				
10	Joseph Corbett.	do	Services.....	5.00				
10	Geo. Fick.	do	Storeroom.....					
10	F. H. Shengenan.	do	Office rent .....					
11	J. W. Hawk.	do	Salary and expenses, August .....	168.50	60.30			
11	H. W. Rowland.	do	do	117.90	58.77			
11	Werner Knudt.	do		117.90	53.40			
11	R. R. Letts.	do		101.10	47.05			
11	Julius Huelson.	do		117.90	11.45			
11	R. H. Moore.	do		84.20	34.57			
11	Fred'k Blum.	do		84.20	33.55			
11	D. F. Shea.	do		84.20	32.50			
11	J. H. Phelan.	do	do	84.20	32.15			

11	B. S. Watson	do	do	84.20	30.90
11	Thos. Crozer	do	do	84.20	29.35
11	Simon Kelly	do	do	84.20	23.65
11	Geo. C. Toffey	do	do	84.20	5.45
11	James Cassey	do	do	84.20	5.45
11	D. R. Hobart	do	do	84.20	5.45
11	John Briggs	do	do	84.20	3.50
12	Joseph Locke	do	do	84.20	3.50
16	New York and New Jersey Telephone Co.	Jersey City	Rental and tolls	35.70	8.55
16	John Bingham	New York	Stationery	.....	30.35
22	Sutherland, Innes & Co.	Newark	Blanks	.....	5.00
27	T. T. Kinney	New York	Bleaching powder	.....	12.94
			Total for month	\$3,493.48	2,677.50
			Salary and expenses, September	163.00	62.00
			do	114.20	48.95
			do	114.20	45.00
			Salaries, September	130.40	53.66
			do	114.20	53.35
			do	114.20	52.85
			do	97.80	47.45
			do	81.60	48.75
			Clerk	114.20	14.75
			Assistant	81.60	34.05
			do	81.60	33.85
			do	81.60	33.50
			do	81.60	32.85
			do	81.60	32.45
			do	81.60	30.55
			do	81.60	27.90
			do	81.60	23.55
			do	81.60	12.75
			do	81.60	5.25
			do	81.60	5.25
			do	81.60	5.25
			do	81.60	3.40
			Salary for September	81.60	81.60
			do	68.40	46.64
			Lime		
			Manufacturing Co.		
			Jersey City		
			do		
			Services		6.00
			do		50.00
			Office rent		10.10
			Log rings, etc		9.10
			Rental, etc.		
			2 animals		
			Hudson County		
			Geo. Fick		
			Joseph Corbett		
			do		
			F. H. Spengen		
			do		
			Bogardus, Millaby & Ellsworth		
			New York and New Jersey		
			Telephone Co.		
			P. Mulcahy		

*Expended from the appropriation for 1890-91, by States—Continued.*

NEW JERSEY—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneou.s.	Affected cattle.	Exposed cattle.
1890, Oct. 18	P. Mulcahy ..	Hudson County.....	23 animals .....				\$592.75	
18	Frank Woleon ..	do .....	16 animals .....				408.75	
18	do .....	do .....	6 animals .....					
18	Mary Hannon ..	do .....	2 animals .....					58.00
18	do .....	do .....	3 animals .....					
18	Margrete Gibacy ..	do .....	1 animal .....					
18	do .....	do .....	do .....					29.00
18	Ellen Hurley ..	Essex County.....	3 animals .....					
18	Maria Crane ..	do .....	1 animal .....					
18	A. C. Lyon ..	do .....	do .....					
23	Lena Messener ..	Hudson County.....	4 animals .....					
31	Wing & Evans ..	New York.....	Bleaching powder .....					
			Total for month .....	\$5,687.57	\$3,133.00	\$718.41	144.16	382.00
								1,310.00
Nov. 3	Robert S. Forbes ..	Disinfectors .....	Expenses Oct. 29 to Nov. 1.			29.19		
12	Mo. Conklin <i>et al.</i> ..	Salaries, October .....	Salaries, October .....	853.70				
13	J. W. Hawk ..	do .....	Salary and expenses, October .....					
13	W. B. E. Miller ..	do .....		168.50			76.95	1.50
13	W. H. Cooper ..	do .....		134.80			45.00	
13	H. W. Rowland ..	do .....		117.90			59.20	
13	Werner Runge ..	do .....		117.90			55.39	
13	W. W. Curry ..	do .....		117.90			54.10	
13	W. A. Willard ..	Clerk .....		117.90			48.00	
13	I. C. Kilburn ..	Assistant .....		117.90			17.65	
13	Julius Hresien ..	do .....		84.20			46.40	
13	Fredk Bluem ..	do .....		117.90			11.65	
13	Simon Kelly ..	do .....		84.20			33.85	
13	Melvin Doremus ..	do .....		84.20			23.75	
13	James Cassey ..	do .....		84.20			13.75	
13	W. L. Ferguson ..	Clerk .....		84.20			5.65	
13	Floy McEwen ..	do .....	Salary for October .....					
13	C. D. Noonan ..	do .....		84.20				
14	Thos. Crozier ..	Assistant .....		70.80				
14	R. H. Moore ..	do .....		84.20				
14	Joseph Locke ..	do .....		84.20				
14	D. F. Shea ..	do .....		84.20				
14	J. H. Pheian ..	do .....		84.20				
14	B. S. Watson ..	do .....		84.20				
14	D. R. Hobart ..	do .....		84.20				
				5.65				

## OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY.

47

*Expended from the appropriation for 1890-91, by States—Continued.*

NEW JERSEY—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneou.s.	Affected cattle.	Exposed cattle.
1890. Dec. 27 31	Lucus Vorhees, Jr. Chas. H. Evans	Hunterdon County Burlington County	1 animal .....do.....					\$25.00 42.50
			Total for month.....	\$3,558.92	\$2,704.10	\$663.87	\$86.45	104.50
1891. Jan. 3 3	H. Baumgarten Newark Lime and Cement Manufacturing Co.	Washington	3,000 tags Lime .....			51.00 24.36		
			Total for month.....	\$75.36			75.36	
			Grand total.....	\$19,446.99	13,566.50	3,346.83	598.16	\$382.00 1,553.50

PENNSYLVANIA.

1890. Sept. 6	W. H. Rose E. S. Huff Geo. Carter	Assistant .....do.....	Salary and expenses, August..... Salary for August..... Salary and expenses, August..... .....do.....	\$208.00 84.20 84.20	\$6.67 2.57			
			Total for month.....	\$385.64	376.40	9.24		
Oct. 6	W. H. Rose Geo. Carter E. S. Huff	Assistant .....do.....	Salary and expenses, September..... .....do..... Salary for September..... .....do.....	208.00 81.60 81.60	15.17 2.97			
			Total for month.....	\$398.34	371.20	18.14		
Nov. 5	W. H. Rose Geo. Carter E. S. Huff	Assistant .....do.....	Salary and expenses, October..... .....do..... Salary for October..... .....do.....	216.00 84.20 84.20	15.51 3.07			
			Total for month.....	\$402.98	384.40	18.58		
			Grand total.....	\$1,177.96	1,132.00	45.96		

## MARYLAND.

1890.	S. Aug. 21	Alex. Yearley & Son.....	Baltimore.....	Office rent, July.....	\$12.50	
	Sept. 2	I. L. Ball.....	Clerk .....	Salary for August.....	\$84.20	
	2	Emily Lucas.....	Baltimore.....	Services, August.....	4.50	
	4	Geo. C. Faville.....	Baltimore.....	Salary and expenses, August.....	2.60	\$73.30
	12	Alex. Yearley & Son.....	Baltimore.....	Office rent, August.....	12.50	\$0.16
	12	Bernard Horine.....	Frederick County.....	1 animal.....		
	16	A. W. Clement.....		Salary and expenses, August 1 to 7 and 19 to 31.....	108.71	61.90
	22	John N. Foss.....	Baltimore County.....	1 animal.....		17.50
	22	Conrad Schmidt.....	do.....	.....do.....		15
	Oct. 6	Geo. C. Faville.....		Total for month.....	\$652.61	47.50
	6	A. W. Clement.....		Salary and expenses, September 1 to 26.....	457.41	135.20
	6	I. L. Ball.....	Clerk .....	.....do.....	230.00	53.25
	6	Alex. Yearley & Son.....	Baltimore.....	Salary for September.....	163.00	56.14
	6	Emily Lucas.....	do.....	Office rent.....	81.60	12.50
	17	Chesapeake and Potomac Tel- ephone Co.....	do.....	Services.....	4.50	25.00
	17	Geo. C. Faville.....		Rental, July to September.....		4.25
				Expenses, September.....		
				Total for month.....	\$630.24	479.10
					109.39	41.75
	Nov. 5	A. W. Clement.....		Salary and expenses, October.....	168.50	53.25
	8	I. L. Ball.....	Clerk .....	Salary for October.....	84.20	
	11	Geo. C. Faville.....	Baltimore.....	Salary and expenses, October 1 to 19 and 23 to 31.....	240.00	74.30
	11	Emily Lucas.....	do.....	Services, October.....	4.50	
	11	Alex. Yearley & Son.....		Office rent, October.....		
	14	Geo. C. Faville.....		Expenses, October.....		
				Total for month.....	\$646.88	497.20
					127.55	22.13
				Grand total.....	\$1,942.23	1,433.71
					372.14	88.88
						47.50

*Expended from the appropriation for 1890-'91.*

SCIENTIFIC INVESTIGATIONS.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Misc neous.)
1890.	S. J. Meeks.	Experiment station.....	Buggy.....	\$135.00		
Aug. 16	John A. Baker.	do .....	Horsebarrows.....	13.00		
16	C. Becker.	do .....	Horse net.....	6.00		
16	Wm. H. Teepe.	Laboratory.....	Drawing paper.....	3.60		
22	Henry H. Shafeit & Co.	do .....	Alcohol.....	58.00		
22	John F. Stephenson.	do .....	Freightage.....	1.79		
30	F. L. Kilborne.	Experiment station.....	Cattle ticks.....	20.00		
31	Cooper Curtice.	Laboratory.....	Salary for August.....	\$151.60		
31	E. A. v. Schweinitz.	do .....	do.....	134.80		
31	V. A. Moore.	do .....	do.....	117.90		
31	M. N. Barnard.	do .....	do.....	84.20		
31	Wm. Alexander.	do .....	do.....	70.80		
31	W. H. Bradford.	Experiment station.....	do.....	60.60		
31	J. Somerville.	Laboratory.....	do.....	55.60		
31	W. C. Shimoneck.	do .....	do.....	53.60		
31	Jas. R. Stewart.	do .....	do.....	50.50		
31	John Meany.	do .....	do.....	52.00		
			Total for month.....	\$1,071.19		237.59
Sept. 2	A. Burnett.	Experiment station.....	Laborer, August.....	833.60		
2	E. C. Schroeder.	Laboratory.....	Salary for August.....	36.00		
2	H. J. Ruppert.	Experiment station.....	Rent, August.....	1		
9	Geo. W. Knox.	do .....	Express charges.....	41.66		
10	Shanahan, Reilly & Co.	do .....	Oil.....	63.00		
11	J. W. Boteler & Son.	do .....	Refrigerator.....	.55		
12	W. H. H. Griffith.	do .....	Cabbages.....	36.00		
12	Woodward & Lothrop.	do .....	Crash, etc.....	12.00		
12	O. Anderson.	do .....	Repairing tank.....	4.11		
12	L. H. Hopkins.	do .....	Hardware.....	2.25		
16	B. Westerman & Co.	Experiment station.....	Books.....	32.18		
17	Hausman, McComb & Dunn.	Laboratory.....	Instruments.....	35.20		
17	Adams Express Co.	do .....	Transportation, cattle.....	3.16		
27	Geo. E. Hutchins.	Laboratory.....	Plumbing, etc.....	440.50		
30	Cooper Curtice.	do .....	Salary, September.....	7.70		
30	E. A. v. Schweinitz.	do .....	do.....	146.80		
30	V. A. Moore.	do .....	do.....	130.40		
30	M. N. Barnard.	do .....	do.....	114.20		
30	Wm. Alexander.	do .....	do.....	81.60		
30	W. H. Bradford.	Experiment station .....	do.....	68.40		
			do.....	58.80		

## OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY.

51

*Expended from the appropriation for 1890-'91—Continued.*

SCIENTIFIC INVESTIGATIONS—Continued.

Date	Name	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
Nov. 22	A. Hoen & Co.	" Parasites of sheep" Laboratory	10,000 copies, 36 plates.			\$1,429.60 32.17
22	W. G. Wheatley	do				
30	Cooper Curtice	do				
30	E. A. v. Schweinitz	do				
30	V. A. Moore	do				
30	M. N. Barnard	do				
30	Wm. Alexander	do				
30	W. H. Bradford	do				
30	J. Somerville	Laboratory				
30	V. W. C. Shimoneck	do				
30	J. R. Stewart	do				
30	John Meany	do				
			Total for month	\$3,069.98	978.60	2,091.38
Dec. 1	H. J. Ruppert	Experiment station	Rent for November			
	E. C. Schroeder	Laboratory	Salary and expenses, November 1 to 20 and 22 to 30	94.54		41.66
2	C. Becker	Experiment station	Harness			
2	Shanahan, Reilly & Co	do	Paint			14.50
2	Geo. N. Holland	do	Lime, etc.			5.15
3	F. L. Kilbourne	do	Expenses, October and November			6.85
4	Washington Gaslight Co.	Laboratory	Charges			12.35
12	W. L. Williams	Experiment station	Salary and expenses, November	81.60	\$3.33	1.00
12	Walter F. Hewett	do	Feed			184.88
12	Alfred Burnett	do	Laborer			109.57
12	Elphouzo Youngs	do	Prepared food			
16	F. Flanagan	do	Turnips			
17	Clas. P. Talbert	Laboratory	Hay, etc.			
20	Robt. Leitch & Sons	Experiment station	Coal			180.62
22	S. C. Carter	do	Lumber			32.63
23	Libbey, Bittner & Miller	Laboratory	Furniture			47.97
23	W. B. Moses & Sons	California	Expenses July, September, October			38.06
24	Cooper Curtice	Laboratory	Instruments etc			172.70
27	Eimer & Amend	Experiment station	Hardware			.90
27	L. H. Hopkins	Laboratory	Carpenter			363.33
31	Charles A. Freedman	do	Salary, December	15.00		9.61
31	Cooper Curtice	do	do	161.60		
31	D. A. v. Schweinitz	do	do	134.80		
31	V. A. Moore	do	do	117.90		
31	M. N. Barnard	do	do	84.20		

31	V. Alexander	do		70.80
31	W. H. Bradford	Experiment station	do	60.60
31	J. Somerville	Laboratory	Salary, December 28 days	50.22
31	W. C. Shimonick	do	Salary, December	55.60
31	Jas. R. Stewart	do	do	50.50
31	John Meany	do	do	54.90
31	Luke Jamison	do	Salary, December 20 to 31	19.35
		Total for month	\$2,441.30	1,244.68
1891.	H. J. Ruppert	Experiment station	Rent for December	41.66
Jan. 2	Washington Gaslight Co.	Laboratory	Charges	13
3	Chesapeake & Potomac Telephone Co.	Experiment station	Rental, October to December	35.93
5	Aldred Burnett	do	Laborer	22.50
10	Do	do	Cow	
		Total for month	\$136.22	100.22
		Grand total	\$9,914.30	4,927.43

## SWINE DISEASES.

1890.	Aug. 16	W. H. H. Griffith	Cabbages	\$189.50
	31	Theobald Smith	Salary, August	151.60
	31	F. L. Kilborne	do	55.60
	31	C. S. Myers ..	do	
			Total per month	396.70
			Salary, September	183.50
			do	146.80
			do	53.80
			Total for month	384.10
			Salary, October	189.50
			do	151.60
			do	55.60
			Total for month	396.70
			Salary, November	183.50
			do	146.80
			do	53.80
			Total for month	384.10

*Expended from the appropriation for 1890-'91—Continued.*

SWINE DISEASES—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1890.						
Dec. 31	Theobald Smith .....		Salary, December .....	\$189.50		
31	F. L. Kilborne .....		do	151.60		
31	C. S. Myers .....		do	55.60		
			Total for month	\$396.70		
1891.			Pigs .....			
Jan. 14	F. L. Kilborne .....		Grand total .....	\$1,990.25		
				1,958.30		
					31.95	

COLLECTING INFORMATION.

1890.	J. T. McNeely .....	Salary and expenses, July .....	\$134.80	\$63.42		
Aug. 12	H. A. Heath .....	do	134.80	123.45		
14	A. G. Asdikian .....	Salary for August .....	101.10			
31		Total for month	\$657.57	370.70	186.87	
Sept.	H. J. Harwi .....	Salary and expenses, July 10 to 31	83.70	51.60		
6	Watson Pickrell .....	Salary and expenses, August .....	260.00	140.65		
9	J. T. McNeely .....	Salary for August .....	134.80			
11	H. A. Heath .....	Expenses, July .....		75		
11	do .....	Salary and expenses, August .....	134.80	57.75		
11	Henry J. Harwi .....	Salary for August .....	117.90		\$8.50	
11	S. W. Campbell .....	Salary and expenses, August .....	134.80	39.37		
16	H. Romaine .....	do .....	134.80	33.00		
30	A. G. Asdikian .....	Salary for September .....	97.80			
		Total for month	\$1,436.57	1,098.60	323.12	14.85
Oct.	D. E. Salmon .....	Expenses, Sept. 15 to 23 .....			84.26	
1	H. Romaine .....	Salary and expenses, September .....	130.40			
9	S. W. Campbell .....	Salary for September .....	130.40			
10	H. J. Harwi .....	do .....	114.20			
10	H. A. Heath .....	Salary and expenses, September .....	130.40	54.05		
10	Watson Pickrell .....	do .....	260.00	62.70		
17	J. T. McNeely .....	do .....	130.40	47.75		
21	W. Dickson .....	Article, "Horse-shoeing"				67.44

		Transportation	12.75
24	Chicago, Burlington, and Quincy R. R. Co.	Salary for October .....	101.10 .....
31	A. G. Asdikian .....	Total for month .....	\$1,325.85
		996.90	261.51
			67.44
Nov. 5	H. A. Heath Watson Pickrell H. W. Romaine S. V. Campbell H. J. Harwi J. T. McNeely J. A. Dodge A. G. Asdikian	Salary and expenses, October .....	134.80
7	do	do	270.00
11	do	do	134.80
11	do	do	134.80
11	do	do	117.90
17	do	do	134.80
22	do	do	63.00
30	do	do	64.67
		Salary for November .....	39.10
		Total for month .....	97.80
Dec. 3	Watson Pickrell .....	1,089.57	286.00
4	J. A. Dodge .....	250.00	119.76
6	H. W. Romaine .....	114.20	1.68
9	S. V. Campbell .....	130.40	
10	H. A. Heath .....	130.40	
10	H. J. Harwi .....	114.20	17.05
16	Boston and Maine R. R. Co .....	130.40	12.50
19	J. T. McNeely .....	130.40	71.75
26	Gulf, Colorado, and Santa Fé Rwy. Co .....	101.10	15.90
31	A. G. Asdikian .....		
		Total for month .....	\$1,350.68
1891	Watson Pickrell .....	1,101.10	238.58
Jan. 6	J. T. McNeely .....	270.00	165.65
7	H. W. Romaine .....	134.80	
7	J. T. McNeely .....	134.80	
9	H. J. Harwi .....	134.80	
19	Atchison, Topeka, and Santa Fé R. R. Co .....	117.90	15.91
		Total for month .....	\$913.86
		Transportation orders.	121.56
	H. A. Heath .....		
	J. T. McNeely .....		36.30
	H. A. Heath .....		2.10
	do .....		33.00
	do .....		18.15
	J. T. McNeely .....		4.30
	H. A. Heath .....		5.32
	do .....		6.15
		Total .....	105.42
	Grand total .....	\$1,071.67	1,523.06
			99.44

*Expended from the appropriation for 1890-'91—Continued.*

REPORTED DISEASES.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
Sept. 16	A. W. Clement.....	Mississippi .....	Salary and expenses, Aug. 8 to 18.....	\$59.79	\$94.63	....
Oct. 6	Geo. C. Faville .....	North Carolina .....	Salary and expenses, Sept. 27 to 30.....	30.00	34.66	....
9	C. B. Michener .....	Missouri .....	Salary and expenses, Sept. 11 to 19.....	72.00	115.15	....
Nov. 3	E. C. Schroeder .....	Virginia and Maryland .....	Total for month.....	102.00	149.80	....
11	Geo. C. Faville.....	do .....	Salary and expenses, Oct. 21 and 27 to 30.....	16.30	20.48	....
Dec. 2	E. C. Schroeder .....	Maryland .....	Salary and expenses, Oct. 20 to 22 .....	30.00	21.90	....
7	A. W. Clement .....	Virginia .....	Total for month.....	46.30	42.38	....
31	William Folsettter .....	Texas.....	Salary and expenses, Nov. 19 to 20.....	3.26	.85	....
			Salary and expenses, Nov. 28 to Nov. 11 .....	10.87	10.65	....
			Total for month.....	120.00	82.05	....
			Grand total.....	722.58	134.13	93.55
				342.22	380.36	....

STOCK YARDS AND EXPORT CATTLE INSPECTION.

1890	T. L. Armstrong .....	Indianapolis .....	Salary and expenses, July 16 to 31.....	\$151.60	\$83.12	\$3.00
Aug. 12	D. R. Alton .....	Pittsburg .....	Salary and expenses, July 1 .....	52.17	26.34	....
13	W. F. Braden .....	Kansas City .....	Salary for July .....	84.20	4.31	....
13	A. M. Hunter .....	Springfield, Mo .....	Salary and expenses, July .....	117.90	55.43	....
16	Thos. W. Oshel .....		Salary for July 15 to 31.....			
21			Total for month .....	461.30	113.77	3.00
Sept. 1	Jas. Irwin .....	East St. Louis .....				
6	W. J. Judson Smith .....	Pittsburg .....	Salary and expenses, July .....	101.10	13.10	....
6	W. F. Braden .....	Kansas City .....	Salary and expenses, Aug. 14 to 16 .....	20.00	16.50	....
6	Albert Dean .....	do .....	Salary for August .....	84.20	151.60	....
6	A. M. Hunter .....	Springfield, Mo .....	Salary and expenses, August .....	117.90	23.38	....
6	Thos. W. Oshel .....		Salary for August .....	101.10		

6	Howard Rhoads .....	Kansas City .....		101.10	
6	C. E. Collins .....	do .....	do .....	101.10	
8	Edw. Story .....	do .....	Salary and expenses, August .....	117.90	41.50
9	A. J. McCoy .....	Kansas City .....	Salary for August .....	134.30	
9	S. H. Pierce .....	Chicago .....		127.17	
11	E. E. Hoover .....	Buffalo .....	Salary and expenses, Aug. 11 to 31 .....	68.48	12.58
11	J. M. Wardlaw .....	do .....	do .....	134.30	
12	T. L. Armstrong .....	do .....	do .....	151.60	64.07
12	D. R. Alton .....	do .....	do .....	101.10	65.97
20	Jas. H. Sanders .....	Indianapolis .....	Salary and expenses, Aug. 5 to 10 .....	110.32	13.85
4	W. H. Wray .....	East St. Louis .....	Salary and expenses, August .....	175.50	178.00
16	J. H. Sanders .....	Great Britain .....	Salary and expenses, Aug. 20 to 31 .....	136.24	2.48
16	A. D. Melvin .....	do .....	Salary and expenses, Aug. 20 to 31 .....	102.80	5.11
16	Jas. F. Ryder .....	do .....	Salary and expenses, August .....	168.50	128.13
		do .....	do .....	151.60	78.12
			Total for month .....	\$3,521.10	2,514.87
					998.64
					7.59
Oct.	1	D. E. Salmon .....	Expenses, July 23 to Sept. 8 .....	434.33	1.78
3	E. E. Hoover .....	Kansas City .....	Salary and expenses, September .....	30.00	
6	A. J. McCoy .....	do .....	Salary for September .....	97.80	
9	Howard Rhoads .....	do .....	do .....	130.40	
9	C. E. Collins .....	do .....	do .....	97.80	
9	Albert Dean .....	do .....	do .....	146.80	
9	T. L. Armstrong .....	East St. Louis .....	Salary and expenses, September .....	146.80	3.47
9	Jas. Irwin .....	Chicago .....	do .....	114.20	15.15
9	S. H. Pierce .....	Springfield, Mo .....	Salary for September .....	130.40	
9	Thos. W. Oshel .....	Kansas City .....	Salary and expenses, September .....	97.80	13.75
9	A. M. Hunter .....	Pittsburg .....	Salary for September .....	114.20	
9	W. F. Bradon .....	do .....	do .....	81.60	
11	J. M. Wardlaw .....	Great Britain .....	Salary and expenses, September .....	130.40	
14	Jas. F. Ryder .....	do .....	do .....	146.80	10.25
14	W. H. Wray .....	do .....	do .....	300.00	47.50
14	J. H. Sanders .....	do .....	do .....	351.00	127.20
14	A. D. Melvin .....	do .....	do .....	163.00	272.95
17	D. R. Alton .....	Indianapolis .....	do .....	97.80	112.69
21	Edward Story .....	do .....	do .....	114.20	20.90
29	H. Baumgarten .....	do .....	15,000 tags .....	53.50	53.50
			Total for month .....	\$3,967.22	2,558.80
					1,141.89
					266.53
Nov.	11	Edward Story .....	Salary and expenses, October .....	117.90	62.65
11	Thos. W. Oshel .....	Kansas City .....	do .....	101.10	32.50
11	Howard Rhoads .....	do .....	do .....	151.60	2.25
11	Albert Dean .....	do .....	do .....	134.30	
11	J. M. Wardlaw .....	do .....	do .....	134.30	
11	S. H. Pierce .....	do .....	do .....	117.90	
11	A. M. Hunter .....	do .....	do .....	101.10	
11	Chas. B. Collins .....	do .....	do .....	101.10	
11	D. R. Alton .....	do .....	do .....	84.20	
11	W. F. Bradon .....	Pittsburg .....	Certificates .....		295.00

*Expended from the appropriation for 1890-'91—Continued.*

STOCK YARDS AND EXPORT CATTLE INSPECTION—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1890.						
Nov. 14	T. L. Armstrong		Salary and expenses, October .....	\$151.60	\$3.33	
14	W. H. Wray		do .....	310.00	146.08	\$4.44
	A. D. Marvin		do .....	168.50	111.42	
14	Jas. F. Ryder		do .....	151.00	49.00	
14	E. E. Hoover		do .....	101.10	64.55	
17	H. Baumgarten		10,000 tags .....			175.00
21	do		25,000 tags .....			437.50
22	Jas. Irwin		Salary and expenses, October .....	117.90	18.00	
28	A. Hoen & Co		Certificates .....			
29	J. H. Sanders		Salary and expenses, October .....	364.50	283.18	300.00
			Total for month .....	\$4,495.70	2,510.80	1,211.94
Dec.						
4	E. E. Hoover		Salary and expenses, November .....	97.80	30.00	
6	A. W. Clement		Salary and expenses, Nov. 1 to 18 and 21 to 30 .....	152.13	50.50	
6	T. L. Armstrong		do .....	146.80		
6	S. H. Pierce		do .....	130.40		
6	D. R. Alton		do .....	97.80		
6	I. L. Ball		do .....	81.60		
6	W. F. Braden		do .....	81.60		
6	Alex. Yearley & Son		Office rent .....			10.00
6	Emily Lucas		Janitor .....			3.30
6	H. Baumgarten		30,000 tags .....			525.00
9	Eugene K. Hendley		Salary and expenses, Nov. 13 to 30 .....	48.91	14.42	
9	O. P. Vandenberg		Salary and expenses, Nov. 15 to 30 .....	43.56	26.70	
9	Geo. C. Faville		Salary and expenses, November .....	270.00	130.65	
9	C. B. Michener		do .....	224.00	13.21	
10	W. H. Rose		Kansas City .....	192.00	60.25	10.34
10	Howard Rhoads		Boston .....	97.80	2.75	
10	George Carter		Philadelphia .....	81.60		
10	Henry Brister		New York .....	74.97	16.51	
10	George Cornish		do .....	62.58	16.66	
10	Wm. Foley		do .....	62.58	16.66	
10	C. A. Forshey		do .....	62.58	16.56	
10	Hiram Jerome		do .....	62.58	14.59	
10	James Welch		do .....	19.10	1.98	
10	A. M. Hunter		Salary and expenses, Nov. 8 to 30 .....	114.20		
10	J. M. Wardlaw		Salary for November .....	130.40		
10	Thos. W. Oshol		do .....	97.80		
10	Albert Dean		do .....	146.80		
10	Chas. E. Collins		do .....			



*Expended from the appropriation for 1890-91—Continued.*

STOCK YARDS AND EXPORT CATTLE INSPECTION—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1890						
Dec. 19	James M. Ramsey	Philadelphia	Building chute.....	\$130.40	\$66.62	\$35.36
20	W. B. E. Miller	do	Salary and expenses, November	114.20	18.40	..
23	Jas. Irwin	East St. Louis	Hog rings, etc.....	..	..	92.35
	C. J. Stewart & Sons	Baltimore	Furniture.....	..	..	104.40
23	Wm. Schwarzwaldor & Co	New York	do	..	..	26.50
23	Shoppard Knupp & Co.	do	Lumber.....	..	..	17.78
23	Vanderbeck & Sons	do	Salary for Dec. 2 to 6	11.25	2.50	..
23	William P. More	Chicago	Salary for Nov. 27.....	..	..	..
23	Edward Brudridge	Baltimore	Building chutes.....	..	..	63.70
26	Asa B. Fargo	do	Expenses, November.....	..	..	11.90
26	Geo. C. Faville	Philadelphia	Building chute.....	..	..	23.36
26	Martin, Fuller & Co	Chicago	Salary for Dec. 1 to 6	15.00	..	..
26	Wm. Ewers & Co	do	Stationery.....	..	..	..
26	S. A. Maxwell & Co.	do	do	..	..	9.40
26	do	do	do	..	..	3.66
26	S. D. Childs & Co	do	do	..	..	6.50
27	J. B. Van Schiver & Co	Philadelphia	Banks.....	..	..	100.00
29	Bureau of Engraving and Printing	New York	Furniture.....	..	..	401.00
31	Chas. L. Buck & Co	Buffalo	Inspection stamps.....	..	..	11.20
31	John N. Lester	do	Salary and expenses, Nov. 19 to 29	25.00	2.12	..
31	Thos. W. Farthing	do	do	25.00	2.12	..
			Total for month .....	\$8,670.57	4,986.12	1,371.71
						2,312.74
1891						
Jan. 3	Feno E. Smith	Chicago	Salary, Dec. 1 to 23	62.50	..	..
3	J. H. Brown & Co	Buffalo	Hog rings.....	..	..	7.50
6	W. J. Judson Smith	do	Salary and expenses, Dec. 9 to 10	20.00	24.50	..
6	Thomas Coyle	Boston	Salary and expenses, December	84.20	26.86	..
6	Edward Stony	do	do	117.30	47.75	..
6	John W. Hitchings	Boston	do	84.20	6.98	..
6	E. R. Hendley	do	do	84.20	4.48	..
7	R. W. Hiekanan	Chicago	Salary for December	168.50	59.75	16.48
7	S. H. Pierce	Boston	Salary and expenses, December	134.80	..	..
7	Wm. H. Way	Kansas City	Salary for December	117.30	6.26	..
7	A. M. Hunter	Indianapolis	do	117.30	..	..
7	D. B. Alton	Pittsburg	do	101.10	..	..
7	W. F. Braden	do	do	84.20	..	..
9	H. Baumgarten	Buffalo	50,000 tags	..	..	875.00
9	Jas. A. Walrath	Boston	Salary and expenses, Dec. 1 to 21	114.13	56.75	..
9	Chas. F. Raymond	do	Salary and expenses, December.....	67.50	6.74	..

9	L. L. Bullard	do	do	6.74
9	Luther Holton	do	do	6.02
9	W. H. Rose	do	do	5.25
9	Albert Dean	do	do	2.75
9	Howard Roads	do	do	.....
9	Chas. E. Collins	do	do	.....
9	Joseph Bruiser	do	do	.....
9	New England Telephone and Telegraph Co.	Boston	Salary and expenses, Dec. 15 to 31 Rental .....	10.00
9	T. L. Armstrong	Pittsburg	Salary and expenses, December .....	.....
10	Ch. B. Michener	New York	do .....	.....
			Total for month .....	\$3,727.06
			Grand total .....	24,959.72
				15,545.69
				4,694.83
				4,719.20

## IMPORT INSPECTION.

1890.	Nov. 19	F. E. Parsons	West Superior	Expenses, Nov. 11 to 19 Transportation .....	\$74.02 55.75
				Total for month .....	129.77
				Salary and expenses, Nov. 15 to 30 Salary and expenses, Nov. 13 to 30 Salary and expenses for November .....	\$78.26 68.48 114.20
				Salary for November .....	31.69 3.75
				Salary and expenses, November .....	114.20
				Total for month .....	489.34
				Salary and expenses, Dec. 1 and 7 to 31 .....	46.92
				Salary and expenses, November .....	98.88 97.80
				Total for month .....	196.68
				Grand total .....	937.86
					886.02
					248.44
					3.40

*Expended from the appropriation for 1890-'91—Continued.*

WASHINGTON AND MISCELLANEOUS.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
Aug. 8	A. Liannard.....	American Veterinary Review .....	Subscription.....	\$3.00		
12	Capitol, North O Street and South Washington Rwy. Co.	Car tickets.....	12.50			
14	Lawyer's Cooper. Pub. Co.					
16	S. Hoxie.....					
21	Weykoff, Seaman & Benedict.....					
30	E. A. v. Schweinitz.....	Supreme Court Report.....	5.00			
31	D. E. Salmon.....	Advanced Register Holstein-Friesian Association of America, 3 vols.	4.80			
31	E. B. Jones.....	Repairs.....	32.50			
31	W. J. Cowing.....	Expenses, August.....				
31	A. M. Farrington.....	Salary for August.....				
31	Robt. S. Forbes.....	do.....				
31	Miles Fuller.....	do.....				
31	Geo. A. Martin.....	do.....				
31	Mary Sullivan.....	do.....				
31	W. P. Spurgeon.....	do.....				
31	Wm. B. Cravath.....	do.....				
31	M. T. Dent.....	do.....				
31	M. G. Marshall.....	do.....				
31	Wilson Carey.....	do.....				
31	Henry Hallday.....	do.....				
	Carpenter.....	Salary for August, 6 days.....				
		Total for month.....	\$1,873.35	1,759.00	56.55	57.80
Sept. 9	Geo. W. Knox.....	Charges.....				
11	W. B. Moses & Sons.....	Furniture.....				
11	Libbey, Bittinger & Miller.....	Lumber.....				
16	United States Express Co.	Charges.....				
17	Adams Express Co.....	do.....				
19	do.....	do.....				
27	Geo. E. Hutchins.....	Plumbing, etc.....				
30	Capitol, North O Street and South Washington Rwy. Co.	Car tickets.....				
30	D. E. Salmon.....	Salary for September.....				
30	E. B. Jones.....	do.....				
30	W. J. Cowing.....	do.....				
30	A. M. Farrington.....	do.....				
30	Robt. S. Forbes.....	do.....				
30	Miles Fuller.....	do.....				
30	Geo. A. Martin.....	do.....				

## OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY. 63

30	Mary Sullivan.	do	114.20	
30	W. P. Spurgeon.	do	114.20	
30	Wm. B. Cravath.	do	97.80	
30	M. T. Dent.	do	81.60	
30	M. G. Marshall.	do	81.60	
30	Wilson Carey ..	do	58.80	
	Total for month ..	\$2,090.77		388.87
Oct. 9	J. B. Chamberlain Co. Chesapeake and Potomac Telephone	Paper ..... Rental .....		
10	L. H. Hopkins.	Hardware.	33.00	2.16
14	Edmund J. McAffit.	Cablegrams.	3.92	
17	Clas. W. Porter ..	Legislative act, Vermont - American Berkshire Record.	14.10	
17	Phil. M. Springer ..	Central Poland-China Record - Chester White Record.	.50	
17	W. H. Morris ..	Red Polled Herd Book.	30.00	
17	do	Legislative act, Oregon	17.00	
17	J. Melain Smith ..	Legislative act, New Mexico	2.50	
17	Geo. W. McBride ..	Legislative act, Montana	2.15	
17	B. M. Thomas ..	Legislative act, Tennessee	7.50	
17	Leon A. La Croix ..	Rental .....	7.00	
17	Robt. L. Taylor ..	Dunton's Register; Horse-Breeders' Directory	5.00	
21	Columbia Phonograph Co.	Charges .....	2.00	
21	Frank H. Dunton ..	American Poland-China Record.	42.50	
23	United States Express Co.	Charges .....	5.25	
23	John Gilmore ..	Pedigree blanks	3.70	
25	Adams Express Co.	Salary for October .....	16.00	
30	Daniel Geary ..	do	8.35	
31	D. E. Salmon ..	do	2.00	
31	E. B. Jones ..	do		
31	W. J. Cowing ..	do		
31	A. M. Farnington ..	do		
31	Root. S. Forbes ..	do		
31	Miles Fuller ..	do		
31	Geo. A. Martin ..	do		
31	Mary Sullivan.	do		
31	W. P. Spurgeon ..	do		
31	Wm. B. Cravath ..	do		
31	M. T. Dent ..	do		
31	M. G. Marshall ..	do		
31	Wilson Carey ..	do		
31	Melville Reed ..	do		
31	D. L. McDevitt ..	do		
	Total for month ..	\$2,045.42		204.63
Nov. 8	Geo. Harding ..	American Cotswold Record.	7.41	7.50
11	Edmund J. McAffit ..	Expenses, September and October ..		6.99
12	Schreiber & Sons ..			250.00
22	D. G. Hatch ..	Trotting-Horse Book, negatives		
24	Talma Drew ..	Expenses, Nov. 15 ..		8.25
		Expenses, Nov. 13 to 20 ..		31.63

*Expended from the appropriation for 1890-91—Continued.*

WASHINGTON AND MISCELLANEOUS—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
Nov. 25	Easton & Rupp		Stationery Expenses, Oct. 29 to Nov. 10		\$91.25	\$9.75
29	Geo. A. Martin		Picture frames			
29	B. J. Laws		Salary for November	\$90.00		30.45
29	Chas. A. Freedman	Carpenter	do	244.60		
30	D. E. Salmon		do	122.20		
30	E. B. Jones		do	163.00		
30	W. J. Cowing		do	183.50		
30	A. M. Farrington		do	146.80		
30	Robt. S. Forbes		do	146.80		
30	Miles Fuller		do	146.80		
30	Geo. A. Martin		do	114.20		
30	Mary Sullivan		do	114.20		
30	W. P. Surgeon		do	97.80		
30	Wm. B. Cravath		do	32.17		
30	James C. Hoope		Salary for Nov. 15 to 30			
30	Mary T. Dent		do	81.60		
30	M. G. Marshall		do	58.80		
30	Wilson Carey		do	39.20		
30	Levielle Reed		do	53.80		
30	D. L. McDevitt		do	61.14		
	D. G. Hatch		Salary for Nov. 16 to 30			
			Total for month . . .	\$2,360.44	1,917.21	138.54
						304.69
Dec.	L. H. Schneider's Son					
2	Wyckoff, Seamans & Benedict		Pliers			1.70
3	C. H. Wimberding		Typewriter, etc.			127.00
4	H. Baumgarten		Hanging lamps, etc.			18.91
6	John C. Parker		Stamp			2.80
8	W. Judson Smith	Capitol, North O street and South Washington Fy Co.	Stationery			82.80
10	Garton A. Douglas & Co.	" Diseases of horse "	Salary and expenses Nov. 14 to 20	60.00	51.73	
17	Geo. W. Knox		Car tickets.			
18	H. Baumgarten					12.50
18	J. C. Parker					
18	Edmund J. Moffat					
22	W. B. Moses & Sons					
23	U. S. Express Co.					
27						

		Salary for December.....	
31	D. E. Salmon.....	252.70	
31	E. B. Jones.....	126.40	
31	W. J. Cowing.....	168.50	
31	A. M. Farrington.....	189.50	
31	Robert S. Forbes.....	151.60	
31	Miles Fuller.....	151.60	
31	Geo. A. Martin.....	151.60	
31	Mary Sullivan.....	117.90	
31	W. P. Surgeon.....	117.90	
31	D. G. Hatch.....	126.40	
31	Wm. B. Cravath.....	101.10	
31	Jas. C. Hooe.....	101.10	
31	M. T. Dent.....	84.20	
31	M. G. Marshall.....	84.20	
31	Wilson Carey.....	60.60	
31	D. J. McDevitt.....	55.60	
31	Merville Reed.....	40.40	
	Total for month.....	\$8,451.32	
		2,141.30	198.83
			6,111.19
	Rental.....		
	Salary and expenses Dec. 2-6.....		
	Rental.....	19.02	37.85
	Galloway herd book.....		42.50
	American Cleveland Bay stud book.....		4.50
	Total for month.....	\$139.37	82.50
	Grand total.....	\$16,960.67	7,149.68

1891.	Jan. 5	Chesapeake and Potomac Telephone Co.	
		F. E. Parsons.....	
		Columbia Phonograph Co.....	
		L. P. Muir.....	
		R. P. Stericker.....	

Expended from the appropriation (\$350,000) for the fiscal year ending June 30, 1891.

	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.	Total.	Number of animals—	
							Affected.	Exposed.
New York.....	\$41,415.89	\$6,073.21	\$2,897.32	\$676.63	\$4,225.55	\$55,288.60	24	170
New Jersey.....	17,733.72	4,971.21	543.45	218.00	23,466.38	.....	9	.....
Pennsylvania.....	376.40	4.14	.....	.....	380.54	.....	.....	2
Maryland.....	697.11	147.22	.....	3.75	20.00	868.08	.....	.....
Scientific investigations.....	8,189.32	241.09	16,551.74	.....	.....	24,982.15	.....	.....
Swine diseases.....	2,848.50	58.92	1,999.53	.....	.....	4,906.95	.....	.....
Collecting information.....	7,888.87	1,440.72	1,266.89	.....	.....	10,596.48	.....	.....
Reported diseases.....	204.35	266.73	60.00	.....	.....	531.08	.....	.....
Export cattle and stock yards' inspection.....	57,499.64	10,042.45	10,295.79	.....	.....	77,837.88	.....	.....
Import cattle inspection.....	5,728.80	813.89	131.05	.....	.....	6,673.74	.....	.....
Meat inspection.....	9,300.80	622.26	14,202.23	.....	.....	24,125.29	.....	.....
Washington and miscellaneous.....	15,892.14	611.66	26,914.72	.....	.....	43,418.52	.....	.....
Total.....	167,775.54	25,293.50	74,866.47	676.63	4,463.55	273,075.69	24	181

*Expended from the appropriation for 1890-'91, by States.*

NEW YORK.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1890, July 19	Leon E. Block	Assistant.	Salary for July 1 to 9 . . . . .	\$24.46	.....	.....	.....	.....
Aug. 6	H. S. Vanderhoff		Salary and expenses, July . . . . .	134.80	\$49.52	.....	.....	.....
6	H. D. Gill		do . . . . .	134.80	45.00	.....	.....	.....
6	Roscoe P. Bell		do . . . . .	134.80	45.00	.....	.....	.....
6	Geo. G. Van Mater		do . . . . .	117.80	45.00	.....	.....	.....
6	Richard Kay		do . . . . .	151.60	4.28	.....	.....	.....
6	Edward Devoe	Clerk	Salary for July . . . . .	151.60	.....	.....	.....	.....
6	W. H. Pendry		Salary and expenses, July . . . . .	117.90	14.27	.....	.....	.....
6	Jas. B. Docharty	Clerk	Salary for July . . . . .	126.40	.....	.....	.....	.....
6	Daniel G. Hatch	do	do . . . . .	101.10	7.32	.....	.....	.....
6	Henry Brister	Clerk	Salary and expenses, July . . . . .	101.10	2.28	.....	.....	.....
6	Chas. A. Wilcox	do	do . . . . .	84.20	7.72	.....	.....	.....
6	Chas. A. Forshaw	Assistant	do . . . . .	84.20	3.77	.....	.....	.....
6	O. P. Vandenberg	do	do . . . . .	84.20	2.62	.....	.....	.....
6	F. Hallenback	do	do . . . . .	208.00	44.72	.....	.....	.....
6	H. B. Ambler	do	do . . . . .	208.00	10.42	.....	.....	.....
6	N. H. Paaren	do	do . . . . .	168.50	45.00	.....	.....	.....
6	R. W. Hickman	do	do . . . . .	168.50	45.00	.....	.....	.....
6	Jas. A. Walrath	do	do . . . . .	1,425.70	.....	.....	.....	.....
6	W. J. Watt <i>et al.</i>	do	do . . . . .	84.20	.....	.....	.....	.....
6	James Smith	do	do . . . . .	84.20	.....	.....	.....	.....
6	G. L. Cohen	do	do . . . . .	84.20	.....	.....	.....	.....
6	Alex. Derlin, Jr.	Clerk	do . . . . .	84.20	.....	.....	.....	.....
6	Adolph Bevers	Assistant	do . . . . .	84.20	.....	.....	.....	.....
6	Wm. H. Bogart	Clerk	do . . . . .	84.20	.....	.....	.....	.....
6	J. F. Kline	do	do . . . . .	84.20	.....	.....	.....	.....
6	J. J. Rabinman	do	do . . . . .	84.20	.....	.....	.....	.....
6	J. J. Hearne	do	do . . . . .	84.20	.....	.....	.....	.....
8	W. Judson Smith	do	do . . . . .	270.00	174.21	.....	.....	.....
8	C. B. Michener	do	do . . . . .	248.00	9.32	.....	.....	.....
8	E. Valentine	Assistant	do . . . . .	84.20	34.22	.....	.....	.....
8	P. C. Vandewater	do	do . . . . .	84.20	32.52	.....	.....	.....
8	Austin Cornwell	do	do . . . . .	84.20	32.32	.....	.....	.....
8	Michael Nan	do	do . . . . .	84.20	30.82	.....	.....	.....
8	J. S. Sargent	do	do . . . . .	84.20	30.00	.....	.....	.....
8	F. H. Pendleton	do	do . . . . .	84.20	30.00	.....	.....	.....
8	Wm. W. Hughes	do	do . . . . .	84.20	7.97	.....	.....	.....
8	Wm. J. Taylor	do	do . . . . .	84.20	6.52	.....	.....	.....
8	Geo. Cornish	do	do . . . . .	84.20	6.50	.....	.....	.....
8	Jas. R. Taylor	do	do . . . . .	84.20	5.72	.....	.....	.....

*Expended from the appropriation for 1890-'91, by States—Continued.*

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1890.								
Aug. 8	Samuel Jarvis.	Assistant .....	Salary and expenses for July .....	\$84.20	\$5.48			
8	Chas. E. Grogan	do .....	do .....	84.20	5.47			
8	Fred'k Metzger	do .....	do .....	84.20	5.32			
8	John Mesick	do .....	do .....	84.20	4.92			
8	James Welch	do .....	do .....	84.20	3.90			
8	C. H. Bliss	do .....	do .....	84.20	3.85			
8	C. S. Vosburgh	do .....	do .....	84.20	2.22			
8	Wm. V. S. Ortiz	do .....	do .....	59.78	3.12			
8	Wm. Foley	do .....	do .....	84.20				
8	John H. Eadie	do .....	do .....	84.20				
8	E. H. Flavin	do .....	do .....	84.20				
8	Hiram Jerome	do .....	do .....	84.20				
8	Chas. H. Perry	do .....	do .....	73.91				
8	do	Appraiser .....	Salary and expenses for July .....	53.26				
9	Jos. H. Storm	do .....	do .....	101.10	99.78			
9	Jas. H. Clark	do .....	do .....	101.10	52.40			
			Total for month .....	\$8,137.45	7,178.65	958.80		
1891.								
Jan. 12	Fred'k Metzger	Assistant .....	Salary and expenses, December .....	84.20	6.36			
12	J. W. S. Ortiz	do .....	do .....	84.20	3.47			
12	Edward T. Jenkins	Brooklyn .....	Office rent .....					
12	New York and New Jersey Telephone Co.	do .....	Rental, etc .....					
12	C. Dirlam	Disinfector .....	Salary for December (4 days) .....	20.00				
12	C. Frank	Janitor .....	Services, December .....					
12	F. L. Butzgy	Kings County .....	22 animals .....					
17	do	do .....	5 animals .....					
19	A. K. Robertson	do .....	Salary and expenses, December .....	324.00	9.45			
19	Theo. Bartow & Sons	New York .....	Bleaching powder .....					
19	Bogardus, Ellaby & Ellsworth	do .....	Locks, etc .....					
19	G. W. Gregory	do .....	Salary and expenses, December .....					
19	Nassau Gaslight Co	Brooklyn .....	Coal .....					
19	John Bingham	do .....	Changes .....					
21	Earl A. Gillespie	do .....	Stationery .....					
23	Catherline Douglas	do .....	Lumber .....					
24	A. K. Robertson	do .....	Leather Co .....					
24	Brock & Lindemann	do .....	Experiments, December .....					
28	Jacob Strauss	Brooklyn .....	Chaining doors .....					
		Queens County .....	18 animals .....					

OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY. 69

28	do	do	do	1 animal	13.83	15.00
28	E. Y. Hubs	do	do			20.00
28	Wm. L. Bennett	do	do			1,142.22
	Kings County					
				Total for month .....	\$2,178.03	
				521.40	49.84	
Feb.				155.00	4.12	
5	Richard Kay	do	do	137.80	45.00	
5	Rocco R. Bell	do	do	684.50		
6	W. J. Watt <i>et al</i>	do	do	248.00	9.47	
6	Henry B. Ambler	do	do	172.20	64.90	
6	Jas. A. Wairatta	do	do	208.00	11.57	
6	N. H. Pharen	do	do			10
6	H. S. Vanderhoff	do	do			
6	H. D. Gill	do	do			
6	W. H. Pendry	do	do			
6	Austin Cornwell	do	do			
6	Michael Nan	do	do			
6	P. C. Vauderwater	do	do			
6	Wm. J. Taylor	do	do			
6	Wm. W. Hughes	do	do			
7	Fred K. Metzger	do	do			
7	E. H. Flavin	do	do			
7	Samuel Jarvis	do	do			
7	Jas. R. Ortiz	do	do			
7	Jas. R. Taylor	do	do			
7	C. S. Vosburgh	do	do			
7	Chas. E. Grogan	do	do			
7	Chas. A. Wilcox	do	do			
7	E. Valentine	do	do			
7	J. S. Sargent	do	do			
7	R. H. Pendleton	do	do			
7	Jas. H. Clark	do	do			
7	Chas. H. Perry	do	do			
7	Edward Devoe	do	do			
9	Jas. B. Kilner	do	do			
9	John F. Kilner	do	do			
9	Jos. J. Heame	do	do			
9	L. E. Block	do	do			
9	J. J. Rabineau	do	do			
9	F. Hallenbeck	do	do			
9	John H. Eadie	do	do			
9	James Smith	do	do			
9	Alex. Devlin, Jr.	do	do			
9	Adolph Bevers	do	do			
9	G. L. Cohn	do	do			
9	S. L. Velson	do	do			
9	B. B. Mullin	do	do			
9	C. H. Bliss	do	do			
9	John Mesick	do	do			
12	W. Judson Smith	do	do			

*Expended from the appropriation for 1890-'91 by States—Continued.*

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneou.s.	Affected cattle.	Exposed cattle.
Feb. 18	A. K. Robertson		Salary and expenses, January .....	\$324.00	\$6.73 16.80			
18	.....do	Queens County	Expenses for January .....		\$12.62 500.00			
19	Anna Weinmann	Brooklyn	Desuetion of barn .....		45.00			
19	Edward T. Jenkins	New York	Office rent .....					
19	Bozardus, Ellay & Ellsworth	do	Bog rings, etc. ....					
19	Canda & Kane	Brooklyn	Lime.					
19	Thomas F. Taylor	New York	Coal.					
19	John A. Gilspie	E. New York	Stationery .....					
19	Earl A. Frank	Brooklyn	Lumber.					
19	Nassau Gashight Co	do	Janitor					
			Charges .....					
			Total for month .....	\$7,539.31	5,945.00	917.41	676.90	
Mar. 5	Edward Devoe	Clerk	Salary for February .....		140.00			
5	Jas. B. Docharty	do	.....do .....		116.60			
5	John F. Kilner	do	.....do .....		93.40			
5	J. J. Hearne	do	.....do .....		77.80			
5	L. E. Block	do	.....do .....		77.80			
5	J. J. Rabineau	do	.....do .....		77.80			
5	F. Hallenbeck	do	.....do .....		77.80			
5	Jas. Smith	Assistant	.....do .....		77.80			
5	Alex. Devlin, Jr.	do	.....do .....		77.80			
5	Adolph Bevers	do	.....do .....		77.80			
5	G. L. Cohn	do	.....do .....		77.80			
5	John H. Eddie	do	.....do .....		77.80			
5	Fred'k Metzger	do	.....do .....		77.80			
5	Chas. A. Wilcox	Clerk	Salary and expenses, February .....		93.40	1.78		
6	H. B. Ambler	do	.....do .....		224.00	9.33		
6	N. H. Paaren	do	.....do .....			10.47		
6	H. S. Vanderhoff	do	.....do .....		124.40	51.20		
6	Roscoe R. Bell	do	.....do .....		124.40	45.00		
6	V. H. Pendry	do	.....do .....		124.40	39.97		
6	Richard Kay	do	.....do .....		140.00	2.98		
6	S. T. Velson	Assistant	.....do .....		77.80	30.12	1.05	
6	F. H. Penrherton	do	.....do .....		77.80	30.00		
6	Austin Cornwell	do	.....do .....		77.80	30.00		
6	J. S. Sargent	do	.....do .....		77.80	30.00		
6	Michael Nau	do	.....do .....		77.80	30.00		
6	E. Valentine	do	.....do .....		77.80	30.00		
6	Wm. J. Taylor	do	.....do .....		8.72			



*Expended from the appropriation for 1890-'91 by States—Continued.*

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellane-	Affected cattle.	Exposed cattle.
1891.								
April 7	Roscoe R. Bell	Appraiser	Salary and expenses for March do Salary and expenses, Mar. 1 to 16 and 26 to 31.	\$137.30 108.80 122.20	\$45.00 108.54 45.12			
8	Jos. H. Storm							
8	Jas. A. Walrath.							
8	H. D. Gill							
8	H. S. Vanderhoff							
8	Chas. H. Perry							
8	Jas. H. Clark	Appraiser	Salary and expenses for March do do	137.80 137.80 103.30	45.00 49.52 39.12			
8	E. Valentine	Assistant						
8	F. H. Pendleton.	do						
8	J. S. Sargent.	do						
8	Michael Nat.	do						
8	P. C. Vandevewater	do						
8	A. Connwell.	do						
8	Wm. J. Taylor.	do						
8	Chas. E. Grogan.	do						
8	C. H. Bliss.	do						
8	John Mesick.	do						
8	E. H. Flaven.	do						
9	Henry B. Ampler.							
9	N. H. Paareau.							
9	W. H. Pendry.							
9	Richard Kay.							
9	S. T. Velsor.	Assistant						
9	Wm. W. Hughes.	do						
9	B. B. Mullin.	do						
9	Jas. R. Taylor.	do						
9	James Smith.	do						
9	John W. S. Ortiz.	do						
9	Samuel Jarvis.	do						
16	H. Baumgarten.							
16	Edward T. Jenkins.	Brooklyn	10,000 tags.					
16	Boernardus, Ellady & Ellsworth	New York	Office rent.					
16	Cornelius Frank.	Brooklyn	Hardware.					
16	Thos. F. Taylor.	do	Janitor.					
16	Emile Schneider.	Queens County	Coal.					
16	do	do						
17	Nassau Gaslight Company.	Queens County	2 animals.					
17	A. K. Robertson.	do	1 animal.					
18	John Bingham.	Brooklyn	Charges.					
18	New York.	New York	Salary and expenses, March	312.00	3.91			
18			Stationery.					

20	New York and New Jersey	Brooklyn	Rental .....	
27	Telephone Co.			
	A. K. Robertson .....			
			Expenses, March .....	
			Total for month .....	\$7,219.03
May 4	W. J. Watt et al .....	Disinfectors, etc .....	Salaries, April .....	5,946.82
	Chas. A. Wilcox .....	Clerk .....	Salary, and expenses, April .....	878.42
	Edward Devoe .....	do .....	Salary for April .....	349.04
	J. F. Klinner .....	do .....		10.00
	J. J. Hearne .....	do .....		34.75
	L. E. Block .....	do .....		
	J. J. Robineau .....	do .....		
	Jos. Hammer, Jr .....	do .....		
	F. Hallenbeck .....	do .....		
	C. S. Voshburgh .....	do .....		
	G. L. Cohn .....	do .....		
	Fredk. Metzger .....	do .....		
	Adolph Bevers .....	do .....		
	J. H. Eadie .....	do .....		
	Henry B. Ambler .....	do .....		
	J. A. Walrath .....	do .....		
	N. H. Paaren .....	do .....		
	R. R. Bell .....	do .....		
	H. D. Gill .....	do .....		
	W. H. Pentry .....	do .....		
	Chas. H. Perry .....	do .....		
	Michael Nau .....	Assistant .....		
	P. C. Vandewater .....	do .....		
	E. Valentine .....	do .....		
	F. H. Pendleton .....	do .....		
	Wm. J. Taylor .....	do .....		
	Jas. Smith .....	do .....		
	John Mesick .....	do .....		
	Jas. B. Taylor .....	do .....		
	B. B. Mullen .....	do .....		
	C. H. Bliss .....	do .....		
	E. H. Flavin .....	do .....		
	Saml. Jarvis .....	do .....		
	J. S. Sargent .....	do .....		
	Sarah A. Conches .....	Queens County .....	1 animal .....	15.00
	W. J. Smith .....		Salary and expenses, April .....	
	J. W. S. Ortiz .....		do .....	
	A. K. Robertson .....		do .....	
	Jos. H. Storn .....		Appraiser .....	
	Jas. H. Clark .....		do .....	
	Wm. M. Hughes .....		Assistant .....	
	S. T. Velsor .....		do .....	
	Chas. E. Grogan .....		do .....	
	C. Frank .....		Janitor .....	
	Edgar Y. Hubbbs .....		Brooklyn .....	
	do .....		Queens County .....	
			51 animals .....	10.00
			9 animals .....	244.24
			do .....	945.76

**NEW YORK—Continued.**

*Expended from the appropriation for 1890-'91, by States—Continued.*

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
May 16	H. S. Vanderhoff		Salary and expenses, April 1 to 23 .....	\$101.10 63.19	\$37.92 22.00			
16	Austin Cornwell	Assistant	do					
16	Edward T. Jenkins	Brooklyn	Office rent		\$45.00			
16	Sabiston & Murray	New York	Stationery		27.21			
18	Richard Kay		Salary and expenses, April	148.30	5.40			
19	A. K. Robertson		Expenses, April	20.45	7.87			
19	James W. Brooks	Queens County	2 animals					
19	Thomas Heeg	do	1 animal					
19	Frederick Knuckirk	do	do					
21	John Bingham	New York	Stationery					
			Total for month .....	\$7,719.68	5,467.47	844.25	118.83	\$244.24
			Destruction of barns					1,044.89
			1 animal					
			Salary for May					
May 4	Edgar Y. Hubbs	Queens County	Clerk	153.40				
4	Louis Licht	do	do	102.20				
5	Edward Devoe		do	85.20				
5	J. F. Kilner		do	85.20				
5	J. J. Hearne		do	85.20				
5	L. E. Block		do	85.20				
5	J. J. Robineau		do	85.20				
5	Jos. Hanner, Jr.		do	85.20				
5	F. Hallenbeck		do	85.20				
5	C. S. Vosburgh		do	85.20				
5	G. L. Cohn		do	85.20				
5	Adolph Rovers		do	85.20				
5	John H. Eadie		do	85.20				
5	W. J. Watt <i>et al.</i>		Disinfectors, etc.	847.75				
5	Henry B. Ambler		Salaries for May	248.00				
5	J. A. Walrath		Salary and expenses, May	170.40				
5	N. H. Paaren		do	200.00				
5	H. S. Vanderhoff		do	136.20				
5	H. D. Gill		do	136.20				
5	R. B. Bell		do	136.20				
5	W. H. Pendry		do	42.77				
5	Chas. H. Pory		do	33.12				
5	Richard Kay		do	153.40	4.02			
5	P. C. Vandewater		do	85.20	30.12			20
5	Austin Cornwell		do	85.20	30.00			
5	Chas. A. Wilcox		do	102.20	1.37			
5	Wm. J. Taylor		do	85.20	9.12			
5	James Smith		do	85.20	7.94			



*Expended from the appropriation for 1890-'91, by States—Continued.*

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellane-	Affected cattle.	Exposed cattle.
1891.								
July 9	Jas. R. Taylor	Assistant.....	Salary and expenses, June.....	\$82.40	\$7.92			
	Chas. E. Grogan	do.....	do.....	82.40	7.47			
9	C. H. Bliss	do.....	do.....	82.40	6.88			
9	John Mesick	do.....	do.....	82.40	5.32			
9	Jas. Smith	do.....	do.....	82.40	8.49			
9	J. W. S. Ortiz	do.....	do.....	82.40	3.37			
9	E. H. Flavin	do.....	do.....	82.40	2.72			
11	Chas. H. Perry	do.....	do.....	131.90	37.62			
11	Jas. H. Clark	Appraiser.....	do.....	98.90	\$1.20			
11	Jos. H. Storm	do.....	do.....	98.90	108.54			
11	H. B. Ambler	do.....	do.....	240.00	9.48			
14	S. T. Velsor	Assistant.....	do.....	82.40	30.12			
16	H. D. Gill	do.....	do.....	131.90	45.00			
18	J. S. Sargent	Assistant .....	do.....	82.40	30.00			
18	E. Valentine	do.....	do.....	82.40	30.00			
18	A. Cornwell	do.....	do.....	82.40	30.00			
18	A. K. Robertson	do.....	do.....	19.45	5.37			
21	Jas. A. Walcott	do.....	do.....	164.80				
23	A. K. Robertson	do.....	do.....	312.00	4.09			
23	do.....	do.....	do.....	17.10	4.12			
25	Edward T. Jenkins	Brooklyn.....	Expenses, June.....		45.00			
25	John Bingham	New York.....	Office rent.....		25.75			
25	Canda & Kane	do.....	Record book.....		21.00			
25	C. Frank	do.....	Lime.....		10.00			
25	Bogardus, Elahy & Ellsworth	Brooklyn.....	Janitor.....					
25	James C. Brower	New York.....	Fog rings.....		9.00			
25	Samuel Straus	Brooklyn.....	Storeroom.....		5.00			
25	Isaac H. Gentleman	Kings County.....	1 animal.....					\$15.02
28	Brook & Lindemann	do.....	17 animals.....					523.44
28	New York and New Jersey	Brooklyn.....	Changing doors.....					
28	Telephone Company	do.....	Rental.....					
28	Nassau Gaslight Company	do.....	Charges.....					
			Total for month .....	5,244.20	807.04			
			Stationery .....					
			Grand total .....	\$55,288.60	6,073.21			
Aug. 22	Sabiston & Murray.....	New York.....		41,415.89	2,897.32	\$676.63	4,225.55	

## OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY.

77

NEW JERSEY.

*Expended from the appropriation for 1890-91, by States—Continued.*

NEW JERSEY—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneou.s.	Affected cattle.	Exposed cattle.
Feb. 13	J. W. Hawk...		Salary and expenses, January .....	\$172.20	\$73.80	\$0.25		
13	Werner Runge		do .....	120.60	56.75			
13	H. W. Rowland		do .....	120.60	55.35			
13	W. W. Curry		do .....	120.60	48.05			
13	W. H. Cooper		do .....	120.60	45.00			
13	R. R. Lotis		do .....	103.30	48.25			
13	Mo Conklin <i>et al.</i>		do .....	144.60				
13	Julius Huelsen		Salaries, January .....	120.60	11.55			
13	W. A. Willard	Clerk	do .....	120.60	9.65			
13	Fred. Blinem	Assistant	do .....	86.10	34.65			
13	R. H. Moore	do .....	do .....	86.10	33.60			
13	D. F. Shea	do .....	do .....	86.10	32.75			
13	B. S. Watson	do .....	do .....	86.10	32.70			
13	Joseph Locke	do .....	do .....	86.10	32.30			
13	J. H. Phelan	do .....	do .....	86.10	32.20			
13	Thos. Crozer	do .....	do .....	86.10	31.75			
13	I. C. Kilburn	do .....	do .....	86.10	30.05			
13	Simon Kelly	do .....	do .....	86.10	23.65			
13	Melvin Dorenos	do .....	do .....	86.10	22.10			
13	D. R. Hobart	do .....	do .....	86.10	5.45			
13	James Cassey	do .....	do .....	86.10	5.45			
13	Geo. C. Toffey	do .....	do .....	86.10	5.45			
13	John Briggs	do .....	do .....	86.10	3.50			
13	W. L. Ferguson	Clerk	Salary for January .....	86.10				
13	Eloy McEwen	do .....	do .....	86.10				
13	C. D. Noonan	do .....	do .....	72.30				
13	George Pick	Jersey City	Storeroom .....		6.00			
13	Joseph Corbett	do .....	Services .....		5.00			
16	E. H. Shengnan	do .....	Office rent .....		50.00			
20	New York and New Jersey Telephone Co.	Jersey City	Rental, etc., November .....		10.55			
20	Daily Advertiser	do .....	Rental, etc., December .....		10.50			
		do .....	Blanks .....		25.00			
			Total for month .....	\$3,374.90	674.00	107.30		
Mar. 2	Matthias Plum	Newark	Stationery .....	155.60	54.15	14.85		
7	J. W. Hawk		Salary and expenses, February .....			.25		
7	Austen Colgate		1 animal .....					\$30.00
10	W. W. Curry		Salary and expenses, February .....	108.80	59.65			
		do .....		108.80	53.10			

10 H. W. Rowland .....	do		53.80			
10 W. H. Cooper .....	do		108.80			
10 R. R. Letts .....	do		108.80	48.44		
10 Julius Huelsen .....	do		108.80	47.45		
10 Melvin Dorensus .....	Assistant.		108.80	10.35		
10 W. A. Willard .....	Clerk .....		77.80	40.05		
10 Fredk. Bluem .....	Assistant .....		108.80	8.85		
10 R. H. Moore .....	do		77.80	33.90		
10 B. S. Watson .....	do		77.80	33.10		
10 Joseph Locke .....	do		77.80	31.75		
10 D. F. Shea .....	do		77.80	32.10		
10 Thos. Crozer .....	do		77.80	31.75		
10 J. H. Phelan .....	do		77.90	31.10		
10 L. C. Kilburn .....	do		77.80	31.10		
10 Simon Kelly .....	do		77.80	28.55		
10 James Cassey .....	do		77.80	23.25		
10 D. R. Hobart .....	do		77.80	4.85		
10 Geo. C. Toffey .....	do		77.80	4.85		
10 John Briggs .....	do		77.80	3.15		
10 Mo. Conklin <i>et al.</i>	Disinfectors		120.55			
10 W. L. Ferguson .....	Clerk .....		77.80			
10 Flory McEwen .....	do		77.80			
10 C. D. Noonan .....	do		63.40			
10 F. H. Spengeman .....	Jersey City .....			50.00		
10 Geo. Flick .....	do			6.00		
10 Jos. Corbett .....	do			5.00		
31 New York and New Jersey .....	Rental, etc., February .....			7.80		
31 Telephone Co. .....	do					
31 .....	Total for month .....	\$3,136.64	2,341.55	671.74	93.35	30.00
	Salary and expenses, March .....					
	do .....			172.20	62.05	
	do .....			120.60	59.45	
	H. W. Rowland .....			120.60	56.10	
	W. W. Curry .....			120.60	45.00	
	R. R. Letts .....			103.30	48.05	
	Julius Huelsen .....			120.60	11.45	
	W. A. Willard .....			120.60	10.25	
	Melvin Dorensus .....			86.10	39.25	
	L. C. Kilburn .....			86.10	38.40	
	Fredk. Bluem .....			86.10	34.95	
	D. F. Shea .....			86.10	33.05	
	Joseph Lickie .....			86.10	32.90	
	B. S. Watson .....			86.10	32.00	
	J. H. Phelan .....			86.10	32.00	
	Thomas Crozer .....			86.10	31.90	
	R. H. Moore .....			86.10	31.45	
	Simon Kelly .....			86.10	23.65	
	James Cassey .....			86.10	5.45	
	D. R. Hobart .....			86.10	5.45	
	Geo. C. Toffey .....			86.10	5.45	

*Expended from the appropriation for 1890-'91, by States—Continued.*

NEW JERSEY—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneuous.	Affected cattle.	Exposed cattle.
Apr. 10	John Briggs	Assistant.	Salary and expenses, March .....	\$86.10	\$3.50			
10	W. L. Ferguson	Clerk	Salary for March .....	86.10				
10	Floy McEwen	do	do .....	86.10				
10	C. D. Noonan	do	do .....	72.30				
10	Mo. Conklin et al.	Disinfectors	Salaries for March .....	144.60				
10	Geo. Flick	Jersey City	Storeroom .....					
10	do							
14	Joseph Corbett	Janitor	Salary and expenses, March 1 to 8 .....	31.11	45.00			
14	W. H. Cooper	Office rent	.....			5.00		
16	F. H. Spengerman	Jersey City	Total for month .....	\$3,253.06		50.00		
May 7	J. W. Hawk	Salary and expenses, April .....		2,504.11	687.95	61.00		
7	H. W. Rowland	do	.....					
7	Werner Runge	do	.....					
7	W. W. Curry	do	.....					
7	R. R. Letts	do	.....					
7	I. C. Kilburn	do	.....					
7	W. A. Willard	Clerk	do .....					
7	Julius Huelsen	Assistant	do .....					
7	Melvin Doremus	do	.....					
7	Fredik Bluem	do	.....					
7	Jas. Cassey	do	.....					
7	Floy McEwen	Clerk	Salary for April .....					
7	W. L. Ferguson	do	do .....					
7	C. D. Noonan	Union County	do .....					
7	A. N. Martin	Essex County	do .....					
7	B. Stern	Hudson County	do .....					
7	H. Feinberg	Disinfectors	.....					
8	Mo. Conklin et al.	Assistant	Salaries, April .....	140.90				
8	R. H. Moore	do	do .....	82.40				
8	D. F. Sheat	do	do .....	34.65				
8	B. S. Watson	do	do .....	82.40	32.90			
8	Joseph Locke	do	do .....	82.40	32.90			
8	J. H. Phelan	do	do .....	82.40	32.75			
8	Thos. Crozer	do	do .....	82.40	31.90			
8	Simon Kelly	do	do .....	82.40	31.90			
8	Geo. C. Toffey	do	do .....	82.40	23.65			
8	D. R. Hobart	do	do .....	82.40	5.45			
8	John Briggs	do	do .....	82.40	3.50			
	F. H. Spengerman	Jersey City	Office rent					50.00



*Expended from the appropriation for 1890-'91, by States—Continued.*

NEW JERSEY—Continued.

## MARYLAND.

Aug. 7 8 8 8 8 8 8 9	A. W. Clement Geo. C. Faville J. L. Ball John M. Hahn Geo. C. Faville Emily Lucas Jas. F. Ryder	Clerk Frederick County Baltimore	Baltimore County .....	Salary for July 1 to 15 .....	\$96.00						
			1 animal .....						\$10.00		
			Total for month.....	\$106.00	96.00				10.00		
			Salary and expenses, July .....								
			"do"		168.50	\$59.80					
			Salary for July .....		270.00	60.00					
			1 animal .....		84.20						
			Expenses, July .....						10.00		
			Services, July .....		4.50						
			Salary and expenses, July 1 to 17 .....		73.91	27.42					
			Total for month.....	\$762.08	601.11	147.22	3.75		10.00		
			Grand total.....	\$868.08	697.11	147.22	3.75		20.00		

*Expended from the appropriation for 1890-'91.*

SCIENTIFIC INVESTIGATIONS.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1890.						
July 16	F. L. Kilborne .....	North Carolina	Expenses, July 1 to 3	\$14.12	\$1.50	
19	Frank E. Hopkins .....	Experiment station .....	Catbridges .....		2.70	
22	T. H. McAllister .....	Laboratory .....	Storekeepers, etc .....		340.65	
22	E. and H. T. Anthony & Co .....	Photo. Bulletin .....	Subscription .....		3.00	
22	Geo. S. Davis .....	Index Medicis .....	do .....		10.00	
22	Lea Brothers & Co .....	Medical News, American Journal of Medical Sciences .....	do .....		7.50	
22	A. L. Hummel .....	Journal of Comparative Medicine and Surgery .....	do .....		3.00	
23	D. Appleton & Co .....	New York Medical Journal .....	do .....		5.00	
23	A. E. Foote .....	Laboratory .....	Book .....		1.84	
31	Cooper Curdoo .....	do .....	Salary, July .....	\$151.60		
31	E. A. v. Schweinitz .....	do .....	do .....	134.80		
31	V. A. Moore .....	do .....	do .....	117.90		
31	W. S. D. Haines .....	do .....	Salary, July 1 to 13 .....	42.39		
31	M. N. Barnard .....	do .....	do .....	84.20		
31	Wm. Alexander .....	do .....	do .....	70.80		
31	W. H. Bradford .....	Experiment station .....	do .....	60.60		
31	J. Somerville .....	Laboratory .....	do .....	55.60		
31	W. C. Shimoneck .....	do .....	do .....	55.60		
31	Jas. R. Stewart .....	do .....	do .....	50.50		
31	John Meany .....	do .....	do .....	54.00		
			Total for month .....	\$1,267.30	877.99	14.12
						375.19
Aug. 1	E. C. Schroeder .....	Laboratory .....	Salary, July .....	101.10		41.66
6	H. J. Ruppert .....	Experiment station .....	Rent, July .....			
7	Alfred Burnett .....	do .....	Laborer .....	36.00		
7	Brodhead & Co .....	Laboratory .....	Linen .....			
7	Washington Gaslight Co .....	do .....	Charges .....			
8	B. Westermann & Co .....	do .....	Books .....			
8	E. A. v. Schweinitz .....	do .....	Expenses .....			
			Total for month .....	\$249.26	137.10	112.16
1891.						
Jan. 12	Geo. E. Hutchins .....	Laboratory .....	Plumbing, etc .....			9.93
13	Pennsylvania Railroad Co .....	Experiment station .....	Transportation, Dec. 19 .....			
14	I. F. Guy & Co .....	do .....	Stove .....			
14	Minnis & Martin .....	do .....	Stove fittings .....			
14	M. W. Boverือ .....	do .....	Cans, etc .....			
14	Frank E. Hopkins .....	do .....	Hooks, etc .....			

## OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY.

85

		3.68 2.40 99.94		
14	Ernest Betz . . . . .	Laboratory	Plumbing	
14	Annie Burnett . . . . .	Experiment station	Washing	
16	Walter F. Hewett . . . . .	do	Feed	
17	W. L. Williams . . . . .	Experiment station	Ice	68.17
17	Independent Ice Co. . . . .	do	Hardware	14.62
17	L. H. Hopkins . . . . .	Carpenter	Carpenter	28.16
17	John F. Talbert . . . . .	do	Feed	181.68
17	Chas. R. Talbert . . . . .	Salary and expenses, December	Salary and expenses, December	
19	E. C. Schroeder . . . . .	Lumber	Lumber	
19	Llibey, Bittinger & Miller . . . . .	Rent, July to December	Rent, July to December	9.87
19	Ellen T. Keane . . . . .	Brackets	Brackets	150.00
19	L. H. Hopkins . . . . .	Stationery	Stationery	2.00
21	Easton & Rupp . . . . .	Experiment station	Chemical instruments	2.50
22	Z. D. Gilman . . . . .	Laboratory	Slides, etc	158.10
23	C. W. Palmer . . . . .	do	Books	36.30
23	B. Westermann & Co . . . . .	do	Expenses, November, December, January	30.30
23	E. A. v. Schweiinitz . . . . .	do	Lumber	5.50
28	Libbey, Bittinger & Miller . . . . .	Experiment station	Card cases	134.99
28	Library Bureau . . . . .	Laboratory	Transportation	32.16
28	Iowa Central Rwy. Co . . . . .	Experiment station	Paint	5.13
28	Shanahan, Reilly & Co . . . . .	Laboratory	Syringe	7.00
28	John Reydens & Co . . . . .	Experiment station	Coal	42.64
30	S. C. Carter . . . . .	Laboratory	Repairs	2.80
31	Thos Somerville & Sons . . . . .	do	Salary, January	
31	Cooper Curtiss . . . . .	do	do	155.00
31	E. A. v. Schweiinitz . . . . .	do	do	120.60
31	V. A. Moore . . . . .	do	do	86.10
31	M. N. Barnard . . . . .	do	do	72.30
31	Wm. Alexander . . . . .	do	do	62.00
31	W. H. Bradford . . . . .	Experiment station	Salary, Jan. 16 to 31	29.33
31	J. Somerville . . . . .	Laboratory	do	56.80
31	W. C. Shimoneck . . . . .	do	do	54.00
31	Jas. R. Stewart . . . . .	do	do	50.00
31	John Meany . . . . .	do	do	
31	Luke Jamieson . . . . .	do	do	
		Total for month . . . . .	\$2,363.42	1,156.73
				101.60
				1,105.09
Feb. 4	H. J. Ruppert . . . . .	Experiment station	Rent, January	41.66
5	Washington Gaslight Co . . . . .	Laboratory	Charges	.13
5	E. C. Schroeder . . . . .	Experiment station	Salary and expenses, January	45.58
13	Alfred Burnett . . . . .	do	do	
16	W. L. Williams . . . . .	Experiment station	Salary and expenses, January	
18	Chas. R. Talbert . . . . .	do	do	103.30
18	George Pennell . . . . .	do	do	36.00
18	Thos. Somerville & Sons . . . . .	do	do	86.10
18	Melville Lindsay . . . . .	do	do	
18	Geo. Ryneal, Jr. . . . .	do	do	121.65
18	Burndt Stryker . . . . .	do	do	101.08
18	W. F. Hewett . . . . .	do	do	366.94
19	Shanahan, Reilly & Co . . . . .	do	do	15.94
20	Woodward & Lothrop . . . . .	do	do	10.85
		Towing, etc.	Writing diamond	3.00
		do	Whisperphone	2.00
		do	Paint	141.72
		do	do	11.36
		Towing, etc.	do	8.90

*Expended from the appropriation for 1890-'91—Continued.*

SCIENTIFIC INVESTIGATIONS—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1891.						
Feb. 26	Libbey, Bittinger & Miller	Experiment station.....	Lumber.....			\$73.15
	L. H. Hopkins	do	Hardware.....			21.73
26	Elphonzo Youngs	do	Prepared food.....			17.50
26	Frank E. Hopkins	do	Hardware.....			3.65
28	W. B. Moses & Sons	Laboratory	Book case.....			33.00
28	Cooper Curtice	do	Salary, February	\$140.00		
28	E. A. v. Schweinitz	do	do	140.00		
28	V. A. Moore	do	do	108.80		
28	M. N. Barnard	do	do			77.80
28	Wm. Alexander	do	do			65.40
28	W. H. Bradford	do	do			65.40
28	J. Somerville	Laboratory	do			51.40
28	Wm. C. Shimoneck	do	do			51.50
28	Jas. R. Stewart	do	do			51.40
28	Luke Jamieson	do	do			50.00
28	John Meany	do	do			48.00
			Total for month .....	\$2,095.20		974.62
				1,075.00		\$45.58
Mar. 2	John G. Parker	Experiment station.....	Stationery.....			
2	W. S. Barnard	Laboratory	Jacket files.....			2.40
2	E. C. Schroeder		Salary for February			14.40
4	A. Matthes		Bottle racks.....			
4	H. J. Rapert		Rent.....			23.00
6	Alfred Burnett		Laborer.....			41.66
7	Ernest Betz		Tubes.....			
7	Wash. Gaslight Company		Charges.....			3.00
11	Chicago and Alton R. R. Co.		Transportation			
11	Chas. R. Talbert		Hay, etc.			6.63
16	W. M. Galt & Co.		Feed.....			
16	Elphonzo Youngs		Prepared food.....			259.92
16	Geo. N. Holland		Hardware.....			110.58
16	J. H. Chesley & Co.		Grates.....			17.50
16	F. L. Kilborne		Expenses, January and February			6.43
17	B. Westermann & Co.		Books.....			2.00
19	Chicago, Milwaukee and St. Paul Ry. Co.	Laboratory	Transportation			2.25
27	Geo. E. Hutchins					168.22
28	D. W. Beveridge & Co.	Experiment station				6.00
30	Theobald Smith	Laboratory				120.00
31		do	Repairs.....			5.27
			Cages.....			
			Expenses, November to March			155.00

OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY. 87

## EXPENDED FROM THE APPROPRIATION FOR 1890-'91—CONTINUED.

## SCIENTIFIC INVESTIGATIONS—CONTINUED.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1891.						
May 2	Mason & Mason.....		Advertising.....			\$1.75
2	J. H. Kirkpatrick.....		Auctioneer.....			6.00
2	H. J. Rappert.....		Rent.....			41.66
4	Ernest Betz.....		Copper pan, etc.....			15.05
5	Alfred Burnott.....		Laborer.....			6.66
5	F. P. May & Co.....		Hardware.....			5.30
5	J. C. Parker.....		Stationery.....			2.87
5	McElvile Lindsay.....		Syringes.....			2.87
5	Washington Gaslight Co.....		Charges.....			1.13
9	Libbey, Bittinger & Miller.....		Lumber.....			4.10
13	David Pfeiffering.....		Cattle.....			96.00
15	E. A. v. Schweinitz.....		Expenses, March and April.....			10.05
16	W. O. Davis.....		Advertising.....			2.00
16	Geo. N. Holland.....		Advertisers, etc.....			3.10
19	B. Westermann & Co.....		Clippers, etc.....			25.39
19	C. W. Palmer.....		Books, etc.....			26.00
19	John A. Baker.....		Slides, etc.....			81.20
19	S. J. Meeks.....		Scalops.....			45.00
20	Jos. W. Queen & Co.....		Repairs.....			9.20
21	Emnor & Amend.....		Bell jars.....			27.39
21	Harry Loor.....		Chemicals.....			3.75
21	W. M. Galt & Co.....		Turnips.....			111.75
26	Chas. R. Talbert.....		Feed.....			172.95
28	I. Dillon & Sons.....		do.....			131.60
31	Cooper Carteoo.....		Mares and keeping.....			
31	Albert Hassall.....		Salary for May.....			
31	L. H. Hopkins.....		do.....			
31	E. A. v. Schweinitz.....		Hardware.....			
31	V. A. Moore.....		Salary, May.....			153.40
31	E. C. Schroeder.....		do.....			119.20
31	M. N. Barnard.....		do.....			102.20
31	Wm. Alexander.....		do.....			85.20
31	W. H. Bradford.....		do.....			71.60
31	J. Sonerville.....		do.....			71.60
31	Wm. C. Shimomock.....		do.....			56.20
31	J. R. Stewart.....		do.....			56.20
31	Linke Jamieson.....		do.....			56.20
31	John Meany.....		do.....			52.00
			Total for month .....	\$2,010.26		844.86
					1,165.40	

OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY. 89

Expended from the appropriation for 1890-'91—Continued.

SCIENTIFIC INVESTIGATIONS—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous. <sup>1</sup>
1891, July 3	Washington Gaslight Co.	Laboratory Experiment station	Charges Labor, Jme Carpenter, May and June	\$36.00 84.00	.....	\$0.75
7	Alfred Burnett	do	Lumber	.....	.....	.....
8	John F. Talbert	Laboratory	Boilers, plumbing, etc.	.....	.....	174.31
11	Libbey, Bittinger & Miller	do	Rental	.....	.....	1,432.16
11	Robert Leitch & Sons	do	.....	.....	.....	1,352.94
16	Chesapeake and Potomac Telephone Co.	Experiment station	.....	.....	.....	.....
17	M. G. Copeland & Co.	Laboratory	Awnings	.....	.....	64.00
17	Charles E. Dawson	do	Animal-holders	.....	.....	45.00
17	John A. Power & Co.	do	Plumbing	.....	.....	1,025.21
18	Shanahan, Reilly & Co.	Experiment station	Paint, etc	.....	.....	77.00
20	Forsberg & Murray	Laboratory	Boiler	.....	.....	20.00
20	F. P. May & Co	Experiment station	Vise, etc	.....	.....	10.75
21	John Reynders & Co	do	Syringes, etc.	.....	.....	36.00
22	A. M. Bauer	do	Repairing pump	.....	.....	2.15
23	John A. Baker	do	Wagon, etc.	.....	.....	72.50
23	Robt. Bowdler	do	Clover	.....	.....	6.00
23	Minnis & Martyn	do	Roofing, etc.	.....	.....	30.00
23	Chas. R. Talbert	do	Hay, etc.	.....	.....	935.16
23	Z. D. Gilman	Laboratory	Pot, pans, etc	.....	.....	15.58
23	do	do	Chemicals, etc	.....	.....	104.55
24	E. J. Phipps	do	Likongen, etc.	.....	.....	4.26
24	L. H. Hopkins	do	Hardware	.....	.....	68.74
25	Annie Burnett	Experiment station	Washing	.....	.....	2.85
25	Elphonzo Youngs	do	Prepared food	.....	.....	14.00
25	W. H. Moffat	do	Repacking pump	.....	.....	3.00
28	Houserman, McComb & Dunn	do	Thermometer, etc.	.....	.....	5.00
30	Jas. Bates	do	Dumb-waiter	.....	.....	75.00
30	The Hygienic Ice Co.	Laboratory Experiment station	Ice	.....	.....	19.79
30	J. W. Boteler & Son	do	Broomus	.....	.....	2.90
30	Libbey, Bittinger & Miller	do	Lumber	.....	.....	134.40
30	M. W. Beveridge	do	Pans	.....	.....	13.80
31	B. Western & Co	do	Books	.....	.....	44.84
24	W. M. Galt & Co.	Experiment station	Feed	.....	.....	186.94
			Total for month	.....	\$5,075.64	120.00
Aug. 3	Belt & Dyer	Laboratory	.....	.....	.....	4,955.64
3	Richard Kny & Co	do	Doors	.....	.....	15.00
3	Thomas Somerville & Sons	do	Rubber tubing	.....	.....	7.40
5	D. W. Beveridge	do	Steam apparatus	.....	.....	1,147.78
			Iron screens	.....	.....	18.00

## OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY.

91

7	W. B. Moses & Sons.....	Experiment station.....	35.20
7	L. H. Hopkins .....	Laboratory .....	35.99
7	F. E. Hopkins .....	do .....	14.58
8	Geo. E. Hutchins .....	do .....	9.41
8	Robert Leitch & Sons .....	Plumbing, etc .....	269.95
10	People's Dispatch and Transfer Co .....	Steam-fittings, etc .....	6.12
11	Thos. T. Keane .....	Freight .....	13.02
17	Winmarth & Edmonston .....	Hides .....	15.00
18	W. H. Lacy .....	Ice chest .....	15.00
21	B. Westermann & Co .....	Plastering .....	27.38
22	W. B. Moses & Sons .....	Books .....	64.00
22	Geo. N. Holland .....	Desk, etc .....	19.36
22	Geo. W. Talbert .....	Line, etc .....	16.89
27	Ernest Betz.....	Cabbages .....	250.95
		Copper and galvanized ironwork .....	
		Total for month .....	\$1,381.03
			1,381.03
Sept. 3	Joseph F. Collins .....	Laboratory .....	323.88
	James Cochran .....	do .....	8.20
18	Robt. Leitch & Sons .....	Bolts, etc .....	35.83
24	C. W. McGill .....	Waste, valves, etc .....	1.50
25	D. Pfeiferling .....	Cutting slate slab .....	222.00
30	Ellen T. Keane .....	Eleven cattle .....	45.00
30	do .....	Rent, June .....	150.00
30	Emmer & Amend .....	Rent, January to June .....	43.20
		Instruments, etc .....	
		Total for month .....	\$229.61
			829.61
Oct. 1	Tobias Talbot, sr. .....	Horse, June .....	200.00
3	Winmarth & Edmonston .....	Filter .....	56.00
6	Emmer & Amend .....	Chemicals, etc., June .....	1,241.03
6	do .....	Alcohol, June .....	215.11
6	do .....	Chemical apparatus, June .....	44.53
14	J. W. Bofeler & Son .....	Ice chest, June .....	36.00
31	Emmer & Amend .....	Chemicals, June .....	13.75
31	do .....	Chemical apparatus, etc., June .....	103.11
		Total for month .....	1,909.53
		Grand total .....	24,982.15
			8,189.32
			\$241.00
			16,551.74

*Expended from the appropriation for 1890-'91—Continued.*

SWINE DISEASES.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
July 31	Theobald Smith		Salary, July	\$189.50		
31	F. L. Kilborne	do	do	151.60		
31	C. S. Meyers	do	do	55.60		
			Total for month	396.70		
					\$32.05	\$10.84
			Expenses, July 21 to 23 and 26 to 28		16.20	
			Expenses, July 21 to 23		10.67	
			Expenses, July 22 to 23			
			Total for month	\$69.76		
					58.92	10.84
Aug. 7	F. L. Kilborne		Pigs			
9	E. C. Schroeder	do	do			42.00
22	Theobald Smith	do	do			48.00
			Salary, January	193.70		
			do	153.00		
			do	56.80		
			Total for month	\$543.50		
				405.50		
			Lumber			138.00
			Salary, February	175.10		
			do	140.00		
			do	56.00		
			Total for month	\$441.72		
				371.10		
					70.62	
Jan. 14	G. A. Shallenberger		Carpenter, February	72.00		
17	Norman Bestor		Pigs			12.00
28	C. H. King		Shovels			3.00
31	Theobald Smith		Pigs			33.00
31	F. L. Kilborne		Sows			85.00
31	C. S. Meyers		Salary, March	193.70		
			do	155.00		
			do	62.00		
			Total for month	\$615.70		
				482.70		
					133.00	
						13.25
						2.76
Feb. 26	Libbey, Bittinger & Miller		Pigs, etc.			
28	Theobald Smith		Iron rods			
28	F. L. Kilborne					
28	C. S. Meyers					
Mar. 2	John F. Talbert					
6	Alfred Barnett					
16	Geo. N. Holland					
25	Alfred Burnett					
25	Norman Bestor					
31	Theobald Smith					
31	F. L. Kilborne					
31	C. S. Meyers					

16	C. H. Dana.....	Labels.....	15.00
27	F. L. Kilborne .....	Pigs.....	13.00
27	H. R. Dement .....	do.....	27.00
30	Theobald Smith .....	Salary, April .....	185.40
30	F. L. Kilborne .....	do.....	148.30
30	C. S. Meyers .....	do.....	59.30
		Total for month.....	\$464.01
			393.00
			71.01
May 19	John A. Baker.....	Hog rings, etc.....	
21	Norman Bestor.....	Pigs.....	4.40
	Theobald Smith .....	do.....	41.00
31	F. L. Kilborne .....	Salary, May .....	191.70
31	C. S. Meyers .....	do.....	153.40
		do.....	61.40
		Total for month.....	\$51.90
			406.50
			45.40
June 18	Norman Bestor .....	Pigs.....	
30	Theobald Smith .....	Salary, June .....	185.40
30	F. L. Kilborne .....	do.....	148.30
30	C. S. Meyers .....	do.....	59.30
		Total for month.....	\$335.00
			393.00
			42.00
July 3	Norman Bestor .....	Pigs.....	
8	G. A. Shallenberger .....	do.....	
28	Libbey, Blittinger & Miller .....	Lumber.....	
		Total for month.....	\$391.06
Aug. 7	L. H. Hopkins .....	Hardware .....	
	A. Hoen & Co.....	Illustrations .....	
		Total for month.....	\$1,097.60
		Grand total .....	4,906.95
			2,848.50
			58.92
			1,399.53

## COLLECTING INFORMATION.

1890.	A. G. Asdikian .....	Salary, July .....	\$101.10
July 31			
Aug. 1	E. A. Carman .....	Salary for July .....	134.80
6	Watson Pickrell .....	Salary and expenses, July .....	270.00
8	H. Romaine .....	Salary for July .....	134.80
8	W. A. Armstrong .....	do.....	101.10
9	S. W. Campbell .....	Salary and expenses, July .....	134.80
		Total for month.....	42.02
			775.50
			136.64

## COLLECTING INFORMATION—Continued.

*Expended from the appropriation for 1890-'91—Continued.*

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1891.						
Jan. 17	J. A. Dodge		Salary and expenses, December .....	\$117.90	\$2.06	
28	H. A. Heath		do .....	134.80	24.25	\$6.00
31	A. G. Asdikian		Salary for January .....	103.30		
			Total for month .....	356.00	26.31	6.00
Feb. 5	Watson Pickrell		Salary and expenses, January .....	270.00	51.45	
9	H. Romaine		Salary for January .....	137.80		
9	S. W. Campbell		do .....	137.80		
16	H. A. Heath		Salary and expenses, January .....	137.80	4.00	7.50
16	J. T. McNeely		Salary for January .....	137.80		
16	H. J. Harwi		do .....	120.60		
28	A. G. Asdikian		Salary for February .....	93.40		
			Total for month .....	1,035.20	55.45	7.50
Mar. 5	Watson Pickrell		Salary and expenses, February .....	240.00	23.25	
6	James A. Dodge		Salary and expenses for January .....	120.60	38.89	
6	H. Romaine		Salary for February .....	124.40		
11	J. T. McNeely		do .....	124.40		
11	Henry J. Harwi		do .....	108.80		
13	C. P. and Q. R. Co.		Transportation .....	124.40	15.60	
17	H. A. Heath		Salary and expenses, February .....	108.80	73.08	13.15
17	J. A. Dodge		do .....	103.30	14.09	
31	A. G. Asdikian		Salary for March .....	124.40		
4	S. W. Campbell		Salary for February .....			
			Total for month .....	1,179.10	164.91	13.15
Apr. 7	H. Romaine		Salary for March .....	137.80		
9	Watson Pickrell		Salary and expenses, March .....	260.00	62.25	
10	Sam'l W. Campbell		Salary for March 1 to 29 .....	128.89		
11	H. A. Heath		Salary and expenses, March .....	137.80	30.75	12.00
11	J. T. McNeely		Salary for March .....	137.80		
11	Henry J. Harwi		do .....	120.60	2.25	
14	J. A. Dodge		Salary and expenses, March .....	68.48		
16	A. J. Bardot, administrator estate of W. A. Armstrong		Salary for August, 1 to 21 .....	98.90		
30	A. G. Asdikian		Salary for April .....			
			Total for month .....	1,210.87	95.25	12.00

<b>May</b>	H. Romaine.....	131.90	
	Watson Pickrell.....	260.00	29.85
	Missouri Pacific Rwy. Co.....		20.70
	J. T. McNeely.....	131.90	
	J. A. Dodge.....	115.40	15.76
	Henry J. Harwi.....	115.40	
	E. A. Carman.....		600.00
	H. A. Heath.....	131.90	51.45
	A. G. Asdikian.....	102.20	1.75
	Total for month .....	988.70	117.76
<b>June</b>	Watson Pickrell.....	\$1,708.21	601.75
	H. Romaine.....	260.00	169.90
	J. A. Dodge.....	136.20	
	H. J. Harwi.....	119.20	4.02
	J. T. McNeely.....	119.20	
	Chicago, Milwaukee and St. Paul Rwy. Co.....	136.20	9.28
	A. G. Asdikian.....	98.90	
	Total for month .....	869.70	183.20
	Watson Pickrell.....	1,052.90	
	Total for month .....	869.70	183.20
<b>July</b>	John Minto.....	115.40	4.55
	Watson Pickrell.....	260.00	158.90
	J. A. Dodge.....	115.40	41.69
	H. A. Heath.....	131.90	63.30
	H. R. Romaine.....	131.90	
	J. T. McNeely.....	131.90	
	Henry J. Harwi.....	119.20	17.00
	Nelly M. Peffer.....	115.40	15.60
	John Minto.....		
	do.....		
<b>Aug.</b>	Leon A. La Croix.....	136.20	103.75
	H. A. Heath.....		
	Great Northern R. R. Co.....	1,372.70	404.79
	M. K. and T. Rwy.....		
	S. D. McGavran.....		
	J. A. Dodge.....		
	Chicago, Milwaukee and St. Paul Rwy. Co.....		
	E. A. Carman .....		
	Total for month .....	\$692.20	608.00
	Total for month .....	84.20	

*Bxpended from the appropriation for 1890-'91—Continued.*

## COLLECTING INFORMATION—Continued.

Salary and expenses, March 17 to 25.....	50.00	38.13
Salary and expenses, March 14 to 15 and 18.....	13.36	12.60
Expenses, March 17 to 18.....	22.79	
Total for month.....	63.36	73.52
Salary and expenses, May 5 to 11.....	30.77	52.69
Salary and expenses, June 3 to 9.....	56.00	42.87
Grand total .....	\$531.08	266.73
		60.00

## STOCK YARDS AND EXPORT CATTLE INSPECTION.

April 8	Jas. A. Walrath.....	Pennsylvania.....
14	Wm. B. E. Miller.....	do.....
22	A. M. Farrington.....	do.....
June 11	Wm. B. E. Miller.....	Pennsylvania.....
July 25	R. W. Hiokman.....	Nebraska.....

*Expended from the appropriation for 1890-'91—Continued.*

STOCK YARDS AND EXPORT CATTLE INSPECTION—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1891.						
Jan. 14	A. D. Melvin.	Liverpool .....	Salary and expenses, December .....	\$168.50	\$96.46	
14	J. F. Ryder .....	Glasgow .....	do .....	151.60	60.00	
16	A. W. Clementt.	Baltimore .....	do .....	168.50	78.60	
16	James Boyd .....	do .....	do .....	75.00	32.55	
16	Robert Fisher .....	do .....	do .....	72.50	30.56	
16	D. Holland .....	do .....	do .....	75.00	23.50	
16	Frederick Gross .....	do .....	do .....	72.50	21.92	
16	Wm. H. Bogart .....	Chicago .....	do .....	84.20	56.57	
16	I. L. Ball .....	Baltimore .....	Salary for December .....	84.20		
16	Dighton (Grange) .....	Chicago .....	do .....	67.50		
16	D. H. McArthur .....	do .....	do .....	60.00		
16	J. E. Clark .....	do .....	do .....	63.75		
16	Matthew Kaas .....	do .....	do .....	67.50		
16	Burt R. Law .....	do .....	do .....	62.50		
16	J. C. Whitney .....	do .....	do .....	67.50		
16	Robert Willis .....	do .....	do .....	67.50		
16	Alex. Taylor .....	do .....	do .....	67.50		
16	Wm. B. Wills .....	do .....	do .....	67.50		
16	M. J. Quirk .....	do .....	do .....	67.50		
16	A. F. Andrews .....	do .....	do .....	67.50		
16	Wm. Harpst .....	do .....	do .....	63.75		
16	E. Zimmerman .....	do .....	do .....	62.50		
16	C. G. Bone .....	do .....	do .....	62.50		
16	Henry C. Rossman .....	do .....	do .....	35.00		
16	Frank Hegg .....	do .....	do .....	22.50		
16	John Gentles .....	do .....	do .....	12.50		
16	Ches. & Pot. Telephone Co. .....	Baltimore .....	Rental, October to December .....		\$25.00	
16	Alex. Yearly & Son .....	do .....	Office rent.		10.00	
16	Family Lucas .....	do .....	Janitor		3.50	
17	W. B. E. Miller .....	Philadelphia .....	Salary and expenses, December .....	134.80	46.00	
17	Geo. Carter .....	do .....	Expenses, December .....	40.00		
17	J. M. Wardlaw .....	do .....	Salary and expenses, December .....	84.20	2.37	
17	Daniel Gano .....	do .....	do .....	134.80	50.25	
17	Thos. Gontard .....	do .....	Salary for December .....	156.00		
17	Robt. W. Ardary .....	Pittsburg .....	Salary, Dec. 26 to 31 .....	168.50		
17	Bell Telephone Co. .....	Philadelphia .....	Rental, Dec. 11 to 31 .....	22.83		
17	Jos. P. McNamee .....	New York .....	Salary, Dec. 20 to 31 .....	32.61		
17	R. S. Huff .....	Philadelphia .....	Salary for December .....	84.20		
17	James Baird .....	do .....	do .....	37.50		
17	Wm. Krause .....	do .....	do .....	32.50		

## OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY. 99

17	Louis Rosenberg	do	12.50	
19	C. A. Richardis	Office rent	50.00	
	H. Baumgarten	Hog rings	21.60	
	S. A. Maxwell & Co.	Stationery	5.32	
21	Geo. C. Faville	Salary and expenses, December	.40	
21	Geo. G. Standart & Co.	Hog rings	20.00	
21	Jacob Oakes	Salary for November 24 to 29		
21	Geo. C. Faville	Expenses, December		
21	Western Union Telegraph Co.	Cablegram		
22	James E. Drom	Salary for December		
22	J. H. Brown & Co.	Hog rings		
22	E. W. McClary & Co.	Lathuber		
23	Thos. W. Oshel	Salary for December		
23	O. P. Vandenberg	Salary and expenses, December		
23	John Bingham	Stationery		
23	Bureau Engraving and Printing	Inspection stamps		
24	John N. Lester	Salary and expenses, December		
24	T. W. Farthing	do		
24	Guy A. Adams	do		
24	David Parker	Salary and expenses, December 20 to 31		
24	E. E. Hoover	Salary and expenses, December		
26	J. H. Saunders	do		
28	Jas. Irwin	Salary and expenses, November		
28	Frances A. McCoy and Louis A. McCoy, executors of the estate of Andrew J. McCoy	Salary for October 1 to 17		
28	Ross & Austin	Chicago		
31	Edward Story	Office rent, December		
		Salary for January		
		Total for month	\$7,630.98	
				20.00
Feb.	4	Edward Story	5,862.77	1,216.29
5	D. R. Alton	Expenses, January		551.92
	Felt, W. Ardary	Salary for January		
5	A. M. Hunter	do		
5	S. H. Pierce	do		
7	Western Union Telegraph Co.	Cablegrams		
7	Baltimore and Ohio R. R. Co.	Transportation		
9	C. B. Michener	Salary and expenses, January		
9	Geo. C. Faville	do		
9	A. W. Clement	do		
9	James Boyd	do		
9	D. Holland	do		
9	J. L. Ball	Salary for January		
9	Fobt. Fisher	Salary and expenses, January		
9	Fred'k Gross	do		
9	Alex. Yearley & Son	do		
9	Emily Lucas	do		
10	Alford H. Rose	Boston		
10	Wm. H. Way	do		
10	Thos. Coyle	do		
		Office rent		
		Services		
		Expenses, January		
		Salary and expenses, January		
		do		
				5.20
				120.60
				5.78
				71.66
				14.94
				3.50
				10.00

*Expended from the appropriation for 1890-'91—Continued.*

STOCK YARDS AND EXPORT CATTLE INSPECTION—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1891.						
Feb. 10	J. W. Hitchings	Boston.....	Salary and expenses, January .....	\$86.10	\$5.54	
10	E. R. Hordley	do.....	Salary for January .....	86.10		
10	C. F. Raymond	do.....	Salary and expenses, January .....	67.50	6.74	
10	L. L. Billard	do.....	do.....	67.50	5.54	
10	Luther Holton	do.....	do.....	67.50	5.54	
10	C. A. Richards	do.....	Office rent, January .....	\$50.00		
10	New England Telephone and Telegraph Co.	do.....	Rental, January .....	10.00		
10	Henry Bristol	New York.....	Salary and expenses, January .....	120.60	18.88	
10	Wm. Foley	do.....	do.....	86.10	19.28	
10	Geo. Cornish	do.....	do.....	86.10	17.54	
10	Hiram Jerome	do.....	Salary for January .....	86.10	16.59	
10	J. P. McEaney	do.....	Salary and expenses, January .....	65.00	13.58	
10	Jas. Flannery	do.....	do.....	65.00	13.38	
10	Jos. Jarvis	do.....	do.....	65.00	13.38	
10	Jas. Russell	do.....	do.....	65.00	3.97	
10	Chas. W. Petty	do.....	Rental, etc., December .....			24.45
10	Metropolitan Telephone and Telegraph Co.	do.....	Salary and expenses, January .....	120.60	15.51	
11	Thos. H. Ashe	Chicago.....	do.....	172.20	45.00	
11	R. W. Hickman	do.....	do.....	86.10	3.15	
11	Wm. H. Bogart	Philadelphia.....	do.....	86.10	.75	
11	George Carter	Kansas City.....	Salary and expenses, January 1 to 12—17 to 31 .....	176.00	33.75	
11	W. H. Rose	do.....	Salary and expenses, January .....	155.00	33.25	
11	Albert Dean	do.....	Salary for January .....	120.60		
11	David M. Ward	do.....	do.....	120.60		
11	Joseph Brusier	do.....	do.....	103.30		
11	Thos. W. Ostel	do.....	do.....	103.30		
11	Chas. E. Collins	Chicago.....	do.....	86.10		
11	H. E. Salkeld	Philadelphia.....	do.....	187.80	45.00	
11	W. B. E. Miller	do.....	do.....	15.50		
11	do.....	do.....	do.....	86.10		
11	Edwin S. Huff	do.....	do.....	67.50		
11	James Baird	do.....	do.....	67.50		
11	Wm. Krause	do.....	do.....	67.50		
11	Lonis Rosenborg	Chicago.....	do.....	67.50		
12	Dighton Granger	do.....	do.....	67.50		
12	D. H. McArthur	do.....	do.....	67.50		
12	J. F. Clark	do.....	do.....	33.75		
12	Matthew Kinas	do.....	do.....	67.50		
12	Burd R. Lawry	do.....	do.....	60.00		



*Expended from the appropriation for 1890-'91—Continued.*

STOCK YARDS AND EXPORT CATTLE INSPECTION—Continued.

Date.	Name	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
Mar. 4	S. H. Pierce.....	Chicago.....	Salary for February.....	\$124.40		
4	D. R. Alton .....	Indianapolis.....	do.....	93.40		\$8.73
4	Geo. G. Faville .....	Baltimore.....	Expenses, January .....			
5	E. S. Huff .....	Philadelphia.....	Salary for February .....	77.80		
5	James Baird .....	do.....	do.....	60.00		
5	Wm. Krause .....	do.....	do.....	60.00		
5	Louis Rosenberg .....	do.....	do.....	60.00		
5	E. W. H. Hendrickson .....	do.....	do.....	17.50		
5	E. E. Hoover .....	Buffalo.....	Salary and expenses for February .....	93.40		
5	David Holland .....	Baltimore.....	do.....	93.40		
5	George Carter .....	Philadelphia.....	do.....	77.80		
5	W. B. E. Miller .....	do.....	do.....	124.40		
5	A. M. Hunter .....	Parsons.....	Salary for February .....	108.80		
4	Thos. Gouland .....	New York.....	do.....	155.60		
5	Jos. P. McEnaney .....	do.....	do.....	77.80		
5	O. P. Vandenbergh .....	Buffalo.....	Salary and expenses for February .....	65.00		
5	John N. Lester .....	do.....	do.....	65.00		
5	Thos. W. Farthing .....	Baltimore.....	Office rent .....	62.50		
5	Alex. Yeany & Son .....	do.....	do.....	5.12		
5	Emily Lucas .....	do.....	do.....			10.00
7	Fredk. Gross .....	do.....	do.....			2.50
7	Bob. Fisher .....	do.....	do.....			
10	Jas. A. Cunningham .....	New York.....	Salary and expenses, Feb. 10 to 28 .....	70.00		
11	C. B. Michener .....	do.....	Salary and expenses for February .....	70.00		
11	Henry Brister .....	do.....	do.....	32.50		
11	Thos. H. Ashe .....	do.....	do.....	192.80		
11	George Cornish .....	do.....	do.....	108.80		
11	Hiram Jerome .....	do.....	do.....	108.80		
11	James Russell .....	do.....	do.....	77.80		
11	Jas. Flannery .....	do.....	do.....	60.00		
11	Jos. Jarvis .....	do.....	do.....	60.00		
11	Chas. W. Petty .....	do.....	do.....	57.50		
11	J. M. Wardlaw .....	do.....	do.....	57.50		
11	Jas. E. Drom .....	Chicago.....	Salary for February .....	124.40		
11	James Shirkman .....	New York.....	do.....	93.40		
11	Atchison, Topeka and Santa F' R. R. Co. ....		Office rent .....			
11	A. Hoen & Co. ....		Transportation .....			16.65
11	Western Union Telegraph Co. ....					
13	Dighton Granger .....	Chicago.....	Texas-fever map .....			4.97
13	D. H. McArthur .....	do.....	Cablegram .....			55.00
			Salary for February .....			57.50

13	Matthew Kaas.....	do	60.00
13	Burt R. Law .....	do	37.50
13	J. C. Whitney .....	do	60.00
13	Robert Wills .....	do	60.00
13	Alex. Taylor .....	do	57.50
13	M. J. Quirk .....	do	60.00
13	A. F. Andrews .....	do	60.00
13	Wm. R. Wills .....	do	60.00
13	Wm. Harpst .....	do	60.00
13	E. Zimmerman .....	do	60.00
13	C. C. Bone .....	do	60.00
13	H. C. Rossman .....	do	60.00
13	Frank Hegg .....	do	60.00
13	John Gerdes .....	do	60.00
13	John Fitzsimmons .....	do	48.75
13	Harry Wheelock .....	do	55.00
13	Tbos. J. O'Leary .....	do	12.50
13	R. W. Hickman .....	do	45.00
13	Wm. H. Bogart .....	do	77.80
13	Wm. Foley .....	do	16.87
13	New York .....	do	70.40
13	Howard Khoadis .....	do	124.40
13	Daniel Gano .....	do	144.00
13	Chicago .....	do	144.00
13	Boston .....	do	108.80
13	Wm. H. Way .....	do	5.56
13	J. W. Hitchings .....	do	5.32
13	L. L. Bullock .....	do	60.00
13	Lather Holton .....	do	60.00
13	H. F. Salkeid .....	do	77.80
13	Chas. E. Collins .....	do	93.40
13	D. M. Ward .....	do	108.80
13	Joseph Bruser .....	do	108.80
13	A. Albert Dean .....	do	140.00
13	Thos. W. Oshel .....	do	93.40
13	Chicago Telephone Co .....	do	108.80
13	New England Telephone and Telegraph Co. ....	do	60.00
16	A. H. Rose .....	do	75.04
16	David Parker .....	do	19.69
16	Guy A. Adams .....	do	4.92
16	Daniel Gano & Son .....	do	25.00
16	Ross & Austin .....	do	20.00
16	Geo. C. Faville .....	do	15.68
17	E. R. Hendley .....	do	136.48
17	Thos. Doyle .....	do	128.98
17	W. H. Wray .....	do	140.00
18	A. D. Melvin .....	do	136.48
18	J. F. Ryder .....	do	85.87
18	W. H. Rose .....	do	82.19
18	H. Baumgarten .....	do	192.00
18	T. L. Armstrong .....	do	22.00
18	Bogardus, Ellaby & Ellsworth .....	do	21.60
20	John Shannon .....	do	18.00
20	H. Baumgarten .....	do	21.60
23	John Shannon .....	do	3.38
23	H. Baumgarten .....	do	3.38

**STOCK YARDS AND EXPORT CATTLE INSPECTION—Continued.**

*Expended from the appropriation for 1890-'91—Continued.*

7 Jas. Irwin.....	East St. Louis.....	Salary and expenses, February .....	25.35
7 A. W. Clement .....	Baltimore.....	Salary and expenses, March.....	108.80
7 James Welch .....	Buffalo.....	Salary and expenses, March.....	172.20
7 Guy A. Adams .....	do.....	Salary and expenses, March 16 to 31 .....	105.05
7 T. W. Farthing .....	do.....	do.....	44.44
7 O. P. Vandenberg .....	do.....	do.....	65.00
7 David Parker .....	Boston.....	do.....	1.52
7 Wm. H. Way .....	do.....	do.....	1.52
7 Thos. Coyle .....	do.....	do.....	86.10
7 John Shannon .....	do.....	do.....	120.60
7 Luther Holton .....	Baltimore.....	do.....	120.60
7 Albert Hassall .....	do.....	do.....	86.10
7 Alex. Yearley & Son .....	Chicago.....	do.....	14.18
10 S. W. Campbell .....	New York.....	do.....	6.30
10 Thos. H. Ashe .....	do.....	do.....	65.00
10 Henry Brister .....	do.....	do.....	65.00
10 Wm. Foley .....	do.....	do.....	5.82
10 Hirian Jerome .....	do.....	do.....	76.67
10 James Russell .....	do.....	do.....	13.15
10 James Flannery .....	do.....	do.....	10.00
10 James Stikeman .....	do.....	do.....	10.00
11 E. S. Huff .....	Philadelphia.....	Salary for March .....	45.83
11 James Baird .....	do.....	do.....	86.10
11 Wm. Krause .....	do.....	do.....	70.00
11 Louis Rosenberg .....	do.....	do.....	70.00
11 Wm. H. Hendrickson .....	do.....	do.....	50.00
11 George Carter .....	do.....	do.....	86.10
11 C. B. Michener .....	New York.....	Salary and expenses, March .....	1.61
11 Geo. B. Cornish .....	do.....	do.....	240.00
11 Wm. S. Wade .....	Kansas City.....	Salary and expenses, Mar. 7 to 31 .....	19.04
11 Albert Dean .....	do.....	Salary for March .....	86.10
11 Joseph Bruser .....	do.....	do.....	155.00
11 D. M. Ward .....	do.....	do.....	120.60
11 Thos. W. Oshel .....	do.....	do.....	103.30
11 Chas. E. Collins .....	Buffalo.....	do.....	103.30
11 E. E. Hoover .....	Chicago.....	Salary and expenses, March .....	45.00
11 R. W. Hickman .....	Boston.....	Salary for March .....	172.20
11 J. M. Wardlaw .....	do.....	do.....	137.80
11 E. R. Hendley .....	do.....	do.....	86.10
11 J. W. Hitchings .....	do.....	do.....	86.10
11 L. L. Bullard .....	do.....	do.....	65.00
11 R. W. Hickman .....	Chicago.....	Expenses, March .....	6.54
11 Ross & Austin .....	do.....	Office rent .....	17.55
11 H. Baumgarten .....	do.....	Hog rings .....	20.00
13 Gulf, Colorado and Santa Fé Ryw. Co .....	do.....	Cablegrams .....	21.60
13 Western Union Telegraph Co .....	do.....	Salary and expenses, Jan. 1 to Mar. 10 .....	10.50
14 J. H. Sanders .....	London.....	Salary and expenses, March (28 days) .....	131.00
14 Wm. B. E. Miller .....	Philadelphia.....	do.....	45.25
14 Howard Rhoads .....	do.....	do.....	124.44
14 A. M. Hunter .....	do.....	do.....	137.80
14 Jos. Jarvis .....	Parsons.....	Salary for March .....	43.25
14 Chas. W. Petty .....	New York.....	Salary and expenses, March .....	72.50
	do.....	do.....	65.00

*Expended from the appropriation for 1890-'91—Continued.*

STOCK YARDS AND EXPORT CATTLE INSPECTION—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
Apr. 16	W. H. Wray .....	London .....	Salary and expenses, March .....	\$310.00	\$131.00	
16	A. D. Melvin .....	Liverpool .....	do .....	172.20	97.18	
16	J. F. Ryer .....	Glasgow .....	do .....	155.00	66.58	
16	W. H. Rose .....	Boston .....	Expenses, March .....	208.00	119.58	
16	A. H. Rose .....	Pittsburg .....	Salary and expenses, March .....	120.60	97.21	
16	Edward Story .....	Baltimore .....	Salary for March .....	120.60	34.50	
16	Robt. W. Ardary .....	do .....	50,000 tags .....		\$50.00	
16	H. Baumgarten .....	Philadelphia .....	Rental, January to March .....		25.00	
16	Chesapeake and Potomac Telephone Co. ....	Baltimore .....	Expenses, March .....		2.75	
16	Geo. C. Faville .....	Philadelphia .....	Blank book .....		2.00	
16	J. H. Mann .....	do .....	Rental, January to March .....		30.00	
16	Bell Telephone Co .....	Buffalo .....	Salary and expenses, March .....	65.00	1.62	
18	J. N. Lester .....	Boston .....	Rental, March .....		10.00	
18	New England Telephone and Telegraph Co. ....	East St. Louis .....	Salary and expenses, March .....	120.60	18.80	.80
21	Jas. Irwin .....	Boston .....	Office rent .....		50.00	
21	C. A. Richards .....	Chicago .....	Rental .....		10.42	
21	Chicago Telephone Co .....	Boston .....	Expenses, March .....		19.00	
23	A. H. Rose .....	New York .....	Expenses, April 15 to 22 .....	67.51	.....	
23	Robt. S. Forbes .....	Chicago .....	Plumbing .....		25.00	
27	B. B. Maginn .....	New York .....	Transportation .....	36.40	.....	
27	Texas and Pacific Rwy. Co .....	New York .....	do .....	29.35	21.85	
27	Richmond and Danville R. R. Co .....	The Metropolitan Telephone and Telegraph Co. ....	Rental .....			
			Total for month .....	\$11,717.26	8,893.19	1,651.01
						1,173.06
May 1	A. W. Clement .....	Baltimore .....	Salary and expenses, April .....	164.80	51.00	
4	Edwin S. Huff .....	Philadelphia .....	Salary for April .....	82.40		
4	James Baird .....	do .....	do .....	67.50		
4	Wm. Krause .....	do .....	do .....	67.50		
4	Louis Rosenberg .....	do .....	do .....	67.50		
4	Wm. H. Hendrickson .....	do .....	do .....	30.00		
4	Robt. Fisher .....	Baltimore .....	Salary and expenses, April .....	75.00	15.16	
4	J. A. Cunningham .....	do .....	do .....	72.50	13.24	
4	Jas. Boyd .....	do .....	do .....	72.50	12.89	
4	Geo. Carter .....	Philadelphia .....	Salary for April .....	82.40	1.17	
4	I. L. Ball .....	Baltimore .....	do .....	82.40		
4	D. Holland .....	do .....	Salary for April .....	72.50	8.40	
4	Robt. W. Ardary .....	Pittsburg .....	Salary for April .....	115.40		

4 D. R. Alton .....	Indianapolis.	98.90	10.00
4 Alex. Yearley & Son .....	Baltimore.	72.50	10.96
4 Fredk. Gross .....	do	.....	3.50
4 Emily Lucas .....	do	.....	3.18
4 J. H. Mann .....	Philadelphia.	115.40	43.20
4 H. Baumgarten .....	Chicago.	82.40	14.57
4 Wm. H. Way .....	Boston.	82.40	8.53
5 Thos. Coyle .....	do	82.40	4.34
5 E. R. Hendley .....	do	82.40	3.86
5 J. W. Hitchings .....	do	65.00	3.86
5 L. L. Ballard .....	do	65.00	3.86
5 John Shannon .....	do	65.00	3.38
5 Luther Holton .....	do	165.00	3.38
5 T. L. Armstrong .....	do	131.90	45.00
5 W. B. E. Miller .....	Philadelphia.	82.40	15.98
5 James Jerome .....	New York.	65.00	15.98
5 James Russell .....	do	65.00	5.21
5 Chas. W. Petty .....	Boston.	65.00	5.21
5 C. A. Richards .....	do	.....	50.00
5 New England Telephone and Tele-	Rental.	.....	10.00
graph Co.		270.00	113.90
7 Geo. C. Farville .....	Baltimore.	115.40	.11
8 Edward Story .....	Chicago.	40.00	5.74
8 Western Union Telegraph Co. ....	Chicago.	65.00	.....
9 Dwight Granger .....	do	.....	.....
9 D. H. McArthur .....	do	.....	.....
9 Matthew Kaas .....	do	.....	.....
9 J. C. Whitney .....	do	.....	.....
9 Robert Wills .....	do	.....	.....
9 Alex. Taylor .....	do	.....	.....
9 M. J. Quirk .....	do	.....	.....
9 A. F. Andrews .....	do	.....	.....
9 Wm. B. Wills .....	do	.....	.....
9 Wm. Harpst .....	do	.....	.....
9 E. Zimmerman .....	do	.....	.....
9 C. C. Bone .....	do	.....	.....
9 H. C. Rossman .....	do	.....	.....
9 Frank Hegg .....	do	.....	.....
9 John Gerdes .....	do	.....	.....
9 John Fitzsimmons .....	do	.....	.....
9 Harry Wheelock .....	do	.....	.....
9 Thos. J. O'Leary .....	do	.....	.....
9 R. W. Hickman .....	do	.....	.....
9 S. H. Pierce .....	do	.....	.....
9 Wm. H. Baggart .....	do	208.00	45.00
9 H. F. Salkeld .....	do	131.90	30.90
9 B. A. Pierce .....	do	82.40	3.10
9 Chas. F. Nesbit .....	Baltimore.	79.12	30.78
9 A. H. Rose .....	Boston.	82.40	78.30
9 do .....	do	.....	1.40
9 Ross & Austin .....	Chicago.	.....	20.00
11 David Parker .....	Buffalo.	115.40	30.00

*Expended from the appropriation for 1890-'91—Continued.*

STOCK YARDS AND EXPORT CATTLE INSPECTION—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1891.						
May 11	E. E. Hoover ..	Buffalo ..	Salary for April ..	\$98.90		
11	James Welch ..	do ..	Salary and expenses, April ..	82.40	\$15.52	
11	O. P. Vandenberg ..	do ..	do ..	82.40	1.92	
11	J. N. Lester ..	do ..	Salary for April ..	70.00		
11	T. W. Farthing ..	do ..	do ..	65.00		
11	Guy A. Adams ..	do ..	do ..	65.00		
11	Albert Dean ..	Kansas City ..	do ..	148.30		
41	A. M. Hunter ..	do ..	do ..	115.40		
11	T. W. Oshel ..	do ..	do ..	98.90		
11	V. F. Braud ..	Pittsburg ..	do ..	82.40		
13	J. F. Ryder ..	Glasgow ..	Salary and expenses, April ..	148.30	70.31	
13	W. H. Way ..	London ..	do ..	300.00	175.04	\$8.48
13	A. D. Melvin ..	Liverpool ..	do ..	164.80	94.25	
13	C. B. Michener ..	New York ..	do ..	208.00	11.68	
13	Thomas H. Ashe ..	do ..	do ..	115.40	14.94	.45
13	Geo. Cornish ..	do ..	do ..	82.40	13.68	
13	Wm. Foley ..	do ..	do ..	82.40	13.38	
13	W. H. Rose ..	Kansas City ..	do ..	208.00	38.31	
13	T. L. Armstrong ..	New York ..	Expenses, March ..	131.90	31.50	
13	J. M. Wardlaw ..	do ..	Salary for April ..	82.40		
13	J. P. McElaney ..	do ..	do ..	65.00	13.52	
13	Joseph Jarvis ..	do ..	Salary and expenses, April ..	65.00	13.38	
13	Jas. Flannery ..	do ..	do ..	50.02	35.25	
14	D. B. Sayre ..	Chicago ..	Salary and expenses, April 18 to 30 ..	32.97	40.45	
16	John E. Miller ..	do ..	Salary and expenses, April 21 to 30 ..	115.40	24.10	
16	Jas. Irvin ..	New York ..	Office rent ..			
16	James Stitomian ..	do ..	Screens ..			
16	A. A. Valentine & Co ..	do ..	Expenses ..			
16	Ch. B. Michener ..	Gulf, Colorado & Santa Fe Rwy. Co ..	Transportation ..			
18	Perry Hodgdon ..	New York ..	Salary and expenses, April ..	98.90	7.40	
18	Henry Brister ..	Kansas City ..	do ..	115.40	22.32	
18	Wm. S. Wade ..	do ..	do ..	98.90	14.88	
18	Howard Rhoads ..	do ..	Salary for April ..	131.90	41.25	
18	D. M. Ward ..	do ..	do ..	115.40		
18	Joseph Bruner ..	do ..	Stamps paid, etc ..			
18	Edward Allen ..	Chicago ..	Janitress ..			
18	Lizzie Morrow ..	do ..	Transportation ..			
19	A. Aschlein, agent ..	Baltimore ..	Expenses, April ..	20.60	12.20	
19	Goo. C. Faville ..	The Baltimore Publishing Co ..	Stationery ..		15.00	
19	The Baltimore Publishing Co ..	do ..			3.30	

20	Chas E. Collins	Kansas City	Salary for April	98.90		
21	T. L. Armstrong	New York	do	148.30		
21	Wm. D. Jordan	New York	Salaries and expenses, April 20 to 30	36.26	44.60	1.14
26	Davis & Co.	Nails, etc.	Salaries, etc.			
28	S. W. Campbell	Caldwell	Salary and expenses, April	131.90	69.45	
28	J. C. Lambdin	New York	Salary for April	98.90		
31	Metropolitan Telephone & Telegraph Co.	Rental, etc.	Total for month	8,518.57	1,395.48	273.73
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3	Geo. C. Faville	Baltimore	Salary and expenses, May	280.00	121.05	
3	Geo. F. Lettie	New York	Steel tape			7.20
4	Chas. B. Michener	Baltimore	Salary and expenses, May	232.00	58.18	
4	Robt. Fisher	do	do	77.50	19.84	
4	Jas. Boyd	do	do	77.50	17.71	
4	J. A. Cunningham	do	do	77.50	12.78	
4	David Holland	do	do	77.50	11.32	
4	Fredk. Gross	do	do	77.50	10.68	
4	I. L. Ball	do	do	85.20		
8	A. W. Clement	New York	Salary for May	170.40	60.50	
8	Henry Brister	do	Salary and expenses, May	119.20	17.20	
8	Jas. Russell	do	do	75.00	18.42	
8	Chas. W. Petty	do	do	65.00	6.45	
8	S. H. Pierce	Chicago	Salary for May	136.20	30.00	
8	Jos. P. McEnaney	New York	Cablegrams			
8	Western Union Telegraph Co.		Salary and expenses, May	85.20		5.12
9	Janes Flannery	New York	do			
9	Wm. Foley	do	do			
9	Geo. Cornish	do	do			
9	Hiram Jerome	do	do			
9	Joseph Jarvis	do	do			
9	Howard Rhoads	Kansas City	Salary for May	77.50	15.93	
9	Joseph Bruser	do	do			
9	D. M. Ward	Caldwell	do			
9	J. C. Lambdin	Springfield, Mo.	do			
9	Thos. W. Oshel	Chicago	do			
11	D. H. McArthur	do	do			
11	Matthew Kaas	do	do			
11	J. C. Whitney	do	do			
11	Robt. Wills	do	do			
11	Alex. Taylor	do	do			
11	M. J. Quirk	do	do			
11	Wm. B. Wills	do	do			
11	Wm. Harry	do	do			
11	E. Zimmerman	do	do			
11	C. C. Bone	do	do			
11	H. C. Rossmann	do	do			
11	Frank Heigg	do	do			
11	John Gerdes	do	do			
11	John Fitzsimmons	do	do			

*Expended from the appropriation for 1890-'91—Continued.*

## STOCK YARDS AND EXPORT CATTLE INSPECTION—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
June 11	Harry Wheelock	Chicago	Salary for May	\$30.00		
11	Thos. J. O'Leary	do	do	7.50		
11	John Harper	do	do	45.00		
11	Geo. W. Laing	do	do	25.00		
11	R. C. Brighton	do	do	15.00		
11	Robt. J. Tonby	do	do	15.00		
11	R. W. Hickman	do	do	208.00	\$45.00	
11	D. B. Sayre	do	do	119.20	40.00	
11	B. H. Pierce	do	do	136.20		
11	John E. Miller	do	do	102.20	5.25	
11	Wm. H. Bogart	do	do	86.20	4.68	
11	H. F. Salkeld	do	do	85.20		
11	George Carter	Philadelphia	Salary and expenses, May	85.20	1.77	
11	Wm. B. E. Miller	do	do	105.43	45.00	\$2.23
11	Wm. H. Way	Boston	do	119.20	4.36	
11	E. R. Hendley	do	do	85.20	6.58	
11	J. W. Hitchings	do	do	85.20	5.08	
11	Luther Holton	do	do	65.00	4.84	
11	L. L. Bullard	do	do	65.00	4.58	
11	John Shannon	do	do	65.00	4.58	
11	Alvord H. Rose	do	do	56.70		
11	Lizzie Morrow	Chicago	Expenses, May		20.00	
11	Paul Rieser	do	Saw, etc.		3.80	
11	Edwin S. Huff	Philadelphia	Salary for May	85.20		
11	Jas. Baird	do	do	72.50		
11	Wm. Krause	do	do	72.50		
11	Louis Rosenberg	London	Salary and expenses, May	310.00	132.44	2.08
11	W. H. Hendrickson	Liverpool	do	170.40	97.18	
12	W. H. Wray	Glasgow	do	153.40	66.58	
12	A. D. Melvin	Buffalo	do	119.20	30.00	
12	J. F. Ryler	do	do	102.20		
12	David Parker	do	do	85.20	2.22	
12	E. E. Hoover	do	do	85.20	1.62	
12	O. P. Vandenberg	do	do	72.50	1.12	
12	James Welch	do	do	70.00	.92	
12	John N. Lester	do	do	65.00	.52	
12	Guy A. Adams	do	do	153.40		
12	T. W. Farthing	New York	Salary and expenses, May	119.20	18.15	
12	T. L. Armstrong	Kansas City	do	200.00	52.21	
12	Thos. H. Ashe	do	do			
12	W. H. Rose	do	do			

12 Chas. F. Nesbit .....	Baltimore.....	do.....	85.20	30.74	.13
12 W. F. Braden .....	Pittsburg.....	do.....	85.20	30.74	
12 R. W. Ardary .....	do.....	do.....	119.20		
12 J. M. Wardlaw .....	do.....	do.....	136.20		
12 James Stikeman .....	New York.....	Office rent for May .....	102.20		45.83
12 D. R. Alton .....	Indianapolis.....	Salary for May .....	102.20		
12 W. S. Wade .....	Kansas City.....	do.....	102.20		
16 Missouri-Kansas and Texas Rwy .....	Transportation .....	Transportation .....	16.66		
17 Thos. Coyle .....	Salaries and expenses, May .....	Salaries and expenses, May .....	15.44		
17 Albert Dean .....	do.....	do.....	54.90		
17 Alex. Yearley & Son .....	Baltimore.....	Office rent .....		10.00	
17 The Baltimore Publishing Co. ....	do.....	Stationery .....			
17 Emily Lucas .....	do.....	Janitress .....			
17 C. J. Stewart & Sons .....	do.....	Hog ringers .....			
17 Sharp & Smith .....	Chicago.....	Needles .....			
17 Chicago Telephone Co. ....	do.....	Rental, etc. ....			
16 R. W. Hickman .....	do.....	do.....		10.42	
17 A. H. Rose .....	Boston.....	Expenses, May .....		18.71	
17 New England Telephone and Telegraph Co. ....	do.....	do.....		3.35	
17 Bogardus, Ellaby & Ellsworth .....	do.....	Rental .....		10.00	
17 C. A. Richards .....	Chicago.....	Hog rings .....			
17 City of Chicago .....	do.....	Office rent .....			
18 S. W. Campbell .....	East St. Louis.....	do.....		50.00	
18 Jas. Irwin .....	Baltimore.....	Salary and expenses, May .....	136.20	8.23	70.00
18 A. S. B. Fargo .....	New York.....	do.....	119.20	26.85	
19 G. B. Michener .....	do.....	Building charges .....			63.51
20 Edward Story .....	do.....	Expenses, May .....			3.60
29 Texas and Pacific Rwy. Co. ....	do.....	Salary and expenses, May .....			
29 Robert Keith Furniture and Carpet Co. ....	Kansas City.....	Transportation .....			
		Furniture .....			
		Total for month.....	\$10,280.81	8,467.53	1,332.48
					480.80
		100,000 tags .....			
		Salary and expenses, May .....			
		Rental, etc. ....			
		do.....		19.05	1,600.00
		do.....			23.85
3 H. Baumerger .....	Kansas City.....	do.....			
3 Chas. E. Collins .....	New York.....	do.....			
3 The Metropolitan Telephone and Telegraph Co. ....	do.....	do.....			
7 Perry Hodgreen .....	New York.....	Salary and expenses, May .....	102.20	30.37	4.00
7 L. J. Small .....	Baltimore.....	Water cooler .....	270.00	77.95	
8 Geo. C. Faville .....	do.....	Expenses, May .....			
8 do.....	do.....	Salary and expenses, June .....			
8 Fred'k Gross .....	do.....	do.....			
8 D. Holland .....	do.....	do.....			
8 J. F. Cunningham .....	do.....	do.....			
8 Robt. Fisher .....	do.....	do.....			
8 Hiriam Jerome .....	do.....	do.....			
8 Geo. Cornish .....	do.....	do.....			
8 Wm. Foley .....	do.....	do.....			
8 Jas. Russell .....	do.....	do.....			
8 Jos. Jarvis .....	do.....	do.....			
8 Jas. Flannery .....	do.....	do.....			

*Expended from the appropriation for 1890-'91—Continued.*

STOCK YARDS AND EXPORT CATTLE INSPECTION—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1891.						
July 8	Jos. P. McNamee.....	New York.....	Salary for June.....	\$82.40		
8	Chas. W. Petty.....	do.....	Salary and expenses, June	65.00		\$7.39
8	Robert W. Arrary.....	Pittsburg.....	Salary for June.....	116.40		
8	D. R. Alton.....	do.....	do.....	82.40		
8	W. F. Braden.....	Indianaapolis.....	Salary and expenses, June	164.80		93.35
9	A. W. Clement.....	Pittsburg.....	do.....	82.40		6.50
9	Chas. F. Nesbit.....	Baltimore.....	Expenses, June.....	57.30		
9	A. H. Rose.....	Newport News.....	Salary and expenses, June	65.00		
9	Luther Holton.....	Boston.....	do.....	65.00		5.82
9	John Shannon.....	do.....	do.....	65.00		6.82
9	L. L. Bullard.....	do.....	do.....	65.00		7.06
9	J. W. Hitchings.....	do.....	do.....	82.40		6.80
9	E. R. Hendley.....	do.....	do.....	82.40		12.26
9	Thos. Coyle.....	do.....	do.....	82.40		24.29
9	Wm. H. Way.....	do.....	do.....	115.40		6.08
9	I. L. Bell.....	Baltimore.....	Salary for June.....	82.40		
9	Cheapeake and Potomac Telephone Co.	do.....	Rental.....			\$25.00
9	Alex. Yearly & Son.....	do.....	Office rent.....			10.00
9	Emily Lucas.....	do.....	Janitress.....			3.50
9	Western Union Telegraph Co.	do.....	Cablegrams.....			6.68
10	B. S. Huff.....	Philadelphia.....	Salary for June.....	82.40		
10	Jas. Baird.....	do.....	do.....	65.00		
10	Wm. Krause.....	do.....	do.....	65.00		
10	Louis Rosenberg.....	do.....	do.....	65.00		
10	Wm. H. Hendrickson.....	do.....	do.....	300.00		146.50
11	W. H. Wray.....	Great Britain.....	Salary and expenses, June	164.80		4.64
11	A. D. Melvin.....	do.....	do.....	148.30		64.58
11	J. E. Ryden.....	do.....	do.....	65.00		2.12
11	T. W. Farthing.....	Buffalo.....	do.....	72.50		3.72
11	Guy A. Adans.....	do.....	do.....	82.40		2.32
11	O. P. Vandenberg.....	do.....	do.....	131.90		2.85
11	Howard Rhoads.....	Kansas City.....	do.....	98.90		42.00
11	Thos. W. Oshol.....	do.....	do.....	148.30		41.00
11	Albert Dean.....	do.....	do.....	115.40		17.81
11	Henry Bristor.....	New York.....	do.....	116.40		20.74
11	Thos. H. Ashe.....	do.....	do.....	203.00		38.62
11	W. H. Rose.....	do.....	do.....	131.90		45.25
11	Wm. B. E. Miller.....	Philadelphia.....	do.....	82.40		1.67
11	Geo. Carter.....	do.....	do.....	82.40		6.95
11	Wm. H. Bogart.....	Chicago.....	do.....	75.00		15.88
11	Jas. Boyd.....	Baltimore.....	do.....			

11 Jno. W. Martin .....	Pittsburg.....	Salary, June.....
11 Edward Martin .....	do .....	do .....
11 A. Beaver .....	do .....	do .....
11 S. C. Langdon .....	do .....	do .....
10 Wm. D. Jordan .....	Quanah .....	Salary and expenses, June .....
10 T. L. Armstrong .....	do .....	do .....
16 Matthew Kaasen .....	Chicago .....	Salary for June .....
16 J. C. Whitney .....	do .....	do .....
16 M. J. Quirk .....	do .....	do .....
16 Wm. Harpst .....	do .....	do .....
16 Frank Hegg .....	do .....	do .....
16 John Fitzsimmons .....	do .....	do .....
16 Harry Wheelock .....	do .....	do .....
16 Robt. Wills .....	do .....	do .....
16 Dwight Granger .....	do .....	do .....
16 Alex. Taylor .....	do .....	do .....
16 Wm. B. Wills .....	do .....	do .....
16 E. Zimmerman .....	do .....	do .....
16 R. G. Broughton .....	do .....	do .....
16 Geo. W. Laing .....	do .....	do .....
16 Bernard Carroll .....	do .....	do .....
16 C. J. Regan .....	do .....	do .....
16 C. A. Wales .....	do .....	do .....
17 Sam'l H. Pierce .....	Kansas City .....	Salary for June (20th to 30th) .....
17 H. F. Salkeld .....	do .....	Salary and expenses, June .....
17 W. S. Wade .....	do .....	Salary for June .....
17 D. M. Ward .....	do .....	do .....
17 A. M. Hunter .....	do .....	do .....
17 Joseph Bruner .....	do .....	do .....
17 David Parker .....	Buffalo .....	Salary and expenses, June .....
17 E. Hoover .....	do .....	Salary and expenses, June .....
17 B. A. Horner .....	Chicago .....	do .....
20 John N. Lester .....	Buffalo .....	do .....
21 J. M. Wardlaw .....	Omaha .....	do .....
21 J. C. Lambdin .....	Caldwell .....	do .....
21 Perry Hodgen .....	Herington .....	do .....
23 Jas. Irwin .....	East St. Louis .....	do .....
24 Jas. Welch .....	Buffalo .....	do .....
25 Lizzie Morrow .....	Chicago .....	Janitress .....
25 Geo. C. Faville .....	Baltimore .....	Expenses for June .....
25 Paul Rieser .....	Chicago .....	Rental .....
25 Chicago Telephone Co .....	do .....	Hardware .....
25 S. H. Tourtelote .....	do .....	Salary for June 22 to 30 .....
25 E. B. lace .....	do .....	Expenses for June 20 to 30 .....
25 A. H. Rose .....	Boston .....	Salary for June .....
25 New England Telephone and Telegraph Co .....	do .....	Expenses for June .....
25 C. A. Richards .....	New York .....	Rental for June .....
25 James Stikeman .....	do .....	Office rent for June .....
25 W. H. Rose .....	do .....	do .....
25 Chas. H. Smith .....	do .....	Expenses for June .....
25 Henry Weissman .....	Valise .....	Lettering .....

*Expended from the appropriation for 1890-'91—Continued.*  
 STOCK YARDS AND EXPORT CATTLE INSPECTION—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1891, July 25	John Flynn.....	New York.....	Posts and nails.....	\$160.00	\$45.00	\$4.00
	R. W. Hickman .....	Chicago.....	Salary and expenses, June 1 to 2 and 10 to 30.....			176.10
	A. H. Andrews & Co. ....	do.....	Furniture.....			30.00
	Bell Telephone Co., of Philadelphia.....	Chicago.....	Rental.....			70.00
	City of Chicago.....	do.....	Office rent.....			
	C. C. Bone.....	do.....	Salary for June.....	65.00		
	John Gerdes .....	do.....	do.....	65.00		
	D. H. McArthur .....	do.....	do.....	65.00		
	John Harper .....	do.....	do.....	65.00		
	Robt. J. Tonhy .....	do.....	do.....	65.00		
	John C. Lorenzen .....	do.....	do.....	65.00		
	Norman R. Adams .....	do.....	do.....	60.00		
	Wm. D. Secher .....	do.....	do.....	57.50		
	William Peaceo .....	do.....	do.....	52.50		
	John Richards .....	do.....	do.....	55.00		
	Lew Zablin .....	do.....	do.....	57.50		
	Karvard Diehl .....	do.....	do.....	45.00		
	S. W. Campbell .....	do.....	Salary and expenses, June.....	131.90	9.85	
	E. C. Matheny .....	East St. Louis .....	Salary for June 10 to 30.....	57.69		
	Metropolitan Telephone and Telegraph Co. ....	New York.....	Rental, etc.....			23.05
	William D. Jorden .....	Quanah.....	Salary and expenses, May.....	102.20	118.43	90.77
	Deane & Sons.....	Chicago.....	Office fittings.....			
			Total for month .....	\$12,645.45	8,963.72	1,440.51
						2,241.22
Aug. 12	J. S. Youngs .....	Buffalo .....	Lime .....			5.90
12	F. G. Parish .....	do.....	Phenyle .....			6.00
12	H. Leigh .....	do.....	Building charges.....			90.60
19	The Office Toilet Supply Co. ....	Chicago.....	Supplies.....	115.40	17.40	1.10
19	Edward Story .....	Hamilhal.....	Salary and expenses, June .....		34.55	
22	Southern Pacific Co. ....	Chicago.....	Transportation .....			
			Total for month .....	\$270.85	115.40	61.95
						103.50
Sept. 9	Herman Baumgarten .....		100,000 tags.....			1,600.00
18	Chas. E. Collins .....		Salary and expenses, June .....	98.90	101.96	
21	T. L. Armstrong .....		Tagging, March .....			5.00
	Perry Hodgden .....		Expenses, May 12 .....		1.50	
			Total for month .....	\$1,807.36	98.90	103.46
						1,605.00

Oct.	3	Wm. D. Jorden	Quanah				
16		H. Baumgarten					

## IMPORT INSPECTION.

1891.	Jan. 17	F. H. Miller	Burlington	Expenses, May	10.20	1,600.00
	17	John E. Miller	Brownsville	100,000 tags, June		
	17	D. B. Sayre	El Paso	Total for month	10.20	1,600.00
	17	do	do	Grand total	10,042.45	10,295.79
	17	Joseph Hawkins	Detroit			
	22	John T. Claris	Buffalo			
	28	John A. Bell	Watertown			
				Total for month	57,499.64	57,499.64
	Feb. 12	John E. Miller	Brownsville	Salary for December	\$117.90	
	16	D. B. Sayre	El Paso	Salary and expenses, December	101.10	\$4.05
	16	F. H. Miller	Burlington	do	117.90	65.20
	16	F. L. Russell	Vanceboro	Salary, Nov., 22 to 30	34.24	4.20
	20	John T. Claris	Buffalo	Salary and expenses, December	117.90	7.50
	20	Joseph Hawkins	Detroit	do	151.60	6.72
	20	John A. Bell	Watertown	do	117.90	23.14
				Total for month	758.54	106.61
						55.76
				Salary for January	103.30	
				Salary and expenses, January	120.60	25.75
				Salary for February	120.60	
				Salary and expenses, Feb., 8 to 31	80.00	7.85
				Salary and expenses for January	156.00	52.02
				do	120.60	10.50
				do	120.60	11.06
				Total for month	820.70	107.18
						12.70
	Mar. 4	F. L. Russell	Vanceboro	Salary for February	93.40	
	11	F. H. Miller	Burlington	do	108.80	
	13	D. B. Sayre	El Paso	Salary and expenses, February	93.40	3.00
	16	John E. Miller	Brownsville	do	108.80	3.85
	18	John A. Bell	Watertown	do	108.80	10.90
	23	Joseph Hawkins	Detroit	do	140.00	24.60
	31	John T. Claris	Buffalo	do	51.22	13.47
				Total for month	762.00	93.57
						13.47
	Apr. 7	John A. Bell	Watertown	Salary and expenses, March	120.60	11.08
	7	Frank H. Miller	Burlington	Salary for March	120.60	
	11	F. L. Russell	Vanceboro	do	103.30	
	11	John E. Miller	Brownsville	Salary and expenses, Mar. 9 to 31	89.40	59.03
	14	W. H. Cooper	Island Pond	Salary and expenses, March	120.60	26.77
	14	Jos. Hawkins	Detroit	do	155.00	48.62
	16	John T. Claris	Buffalo	do	120.60	11.70
	23	D. B. Sayre	El Paso	Salary for March		
				Total for month	933.49	145.50
						11.70

*Expended from the appropriation for 1890-'91—Continued.*

IMPORT INSPECTION—Continued.

1891.				
Apr. 7	Daniel Gano .....	Chicago	Salary for March .....	\$156.00
	Jas. E. Drom .....	do	do .....	103.30
	Daniel Gano & Son .....	New York	Office rent for March .....	\$25.00
	Thos. Gonland .....	New York	Salary for March .....	172.20
	Buffalo Seal and Press Co .....		500,000 car seals .....	950.00
	Edward Bausch .....		Expenses, March .....	1,067.50
	Bausch & Lomb Optical Co .....		50 microscopes .....	82.50
	Sidney Shepard & Co .....		15,000 tin boxes .....	
			Total for month .....	\$2,581.46
				431.50
				24.96
				2,125.00
May 6	W. S. Devoe .....	New York	Salary, April 15 to 30 .....	79.12
	Jas. E. Drom .....	Chicago	Salary for April .....	98.90
	Daniel Gano & Son .....	do	Office rent .....	25.00
	Geo. W. Knox .....		Freight charges .....	28.07
	Jas. H. Fenster .....	New York	Salary, Apr. 1 to 4 .....	61.54
	Daniel Gano .....	Chicago	Salary, Apr. 15 to 30 .....	24.00
	V. T. Atkinson .....	do	Salary and expenses, March .....	164.80
	James Fielding .....	New York	Salary, Apr. 16 to 30 .....	53.25
	M. B. Cowperthwait .....		Furniture .....	37.00
	T. G. Sellew .....		do .....	
	D. E. Salmon .....	Chicago	Expenses, May 1 to 8 .....	80.75
	Easton & Rapp .....		Tags .....	1.20
			Total for month .....	\$688.37
				405.45
				134.00
				88.92
June 3	R. Sears .....		Salary, April 15 to 30 .....	70.33
	Wiehnsch & Hilger, limited .....		Scissors .....	21.98
	Thos. Gonland .....	New York	Salary, Apr. 1 to 4 .....	133.40
	do .....		Freight, etc .....	
	W. S. Devoe .....		Salary for May .....	
	Geo. W. Knox .....	Chicago	do .....	
	V. T. Atkinson .....	do	do .....	
	Jas. E. Drom .....		do .....	
	John B. Sine .....		do .....	
	James Fielding .....		do .....	
	John B. Sine .....		do .....	
	J. H. Fenster .....	New York	Salary, Apr. 20 to 30 .....	36.26
	R. Sears .....	South Omaha	do .....	119.20
	Michael Nau .....	New York	Salary and expenses, May 20 to 31 .....	136.20
	Fred'k Metzger .....		do .....	32.97
	Chas. E. Gragg .....	Kansas City	Salary and expenses, May 8 to 31 .....	65.93
	Wm. W. Pendleton .....	New York	Salary and expenses, May 23 to 31 .....	136.20
	F. H. Pendleton .....		do .....	24.73
	John B. Mullen .....		Salary and expenses, May 18 to 31 .....	38.46
	John Bingham .....		do .....	57.69
	Albert L. Dowd .....		Stationery .....	16.06
	Geo. B. Rose .....		Office rent .....	
				39.20
				12.00
				19.23

*Expended from the appropriation for 1880-'91—Continued.*

MEAT INSPECTION—Continued.

16	John Michels.....	Chicago.....	148.30	25.00
16	Chas E. Husted.....	Kansas City.....	45.49	
16	Geo. W. Schmitz.....	do.....	45.49	
16	J. A. Dyson.....	do.....	45.49	
16	W. B. Garlick.....	do.....	45.49	
16	R. A. Branam.....	do.....	45.49	
17	John B. Sine.....	Chicago.....	do.....	
17	Jas. E. Drom.....	do.....	do.....	
17	F. H. Bernard.....	do.....	do.....	
17	V. T. Atkinson.....	do.....	do.....	
17	E. E. Baizer.....	do.....	do.....	
17	R. Seiers.....	South Omaha.....	do.....	
17	J. H. Fenster.....	New York.....	do.....	
18	S. W. McGraw.....	South Omaha.....	Salary for March 23 to 31.....	
18	do.....	do.....	Salary for April.....	
18	P. D. Hughes.....	Kansas City.....	Salary for June.....	
18	Ernest S. Dundas.....	do.....	do.....	
18	Robt. J. McFarland.....	South Omaha.....	Salary for May.....	
18	John B. Beishlag.....	do.....	Salary for April 22 to 30.....	
18	do.....	do.....	Salary for June.....	
18	S. Stewart.....	do.....	do.....	
18	S. W. McGraw.....	do.....	Salary for June 29 to 30.....	
18	Phelps Paine.....	do.....	Salary for June 29 to 30.....	
18	John B. Beishlag.....	do.....	Salary for June 29 to 30.....	
18	Louis F. Miller.....	do.....	Salary for June 29 to 30.....	
18	James Austin.....	do.....	Salary for June 29 to 30.....	
18	N. D. Mann.....	do.....	do.....	
18	J. W. Argabright, Jr.....	do.....	do.....	
18	Andrew C. Wells.....	Kansas City.....	do.....	
18	Ira Haworth.....	do.....	do.....	
18	D. R. Green.....	do.....	do.....	
18	Ralph Young.....	do.....	do.....	
18	R. G. Hendley.....	do.....	do.....	
20	Geo. B. Crandall.....	Chicago.....	do.....	
20	A. G. Bennett.....	do.....	do.....	
20	Nate E. Merrill.....	do.....	do.....	
20	Harold Boedeker.....	do.....	do.....	
20	James M. Eakins.....	do.....	do.....	
20	Geo. A. Huff, Jr.....	do.....	do.....	
20	Gaylor H. Brown.....	do.....	do.....	
20	Elwood V. Davis.....	do.....	do.....	
20	Reinhard Kochanowski.....	do.....	do.....	
20	Rauben Bakonius.....	do.....	do.....	
20	Samuel C. Hickman.....	do.....	do.....	
20	Gay Miltimore.....	do.....	do.....	
20	Theodor B. Zundel.....	do.....	do.....	
20	C. H. Eddy.....	do.....	do.....	
20	Malvina A. Bixby.....	do.....	do.....	
20	Nannie A. Andrews.....	do.....	do.....	
20	Blanche A. Forshee.....	do.....	do.....	
20	Isabella Pierce.....	do.....	do.....	
20	Laura D. Burke.....	do.....	do.....	

*Expended from the appropriation for 1890-'91—Continued.*

MEAT INSPECTION—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1891.						
July 20	Lilibie Bacon	Chicago	Salary for June.....	\$14.84		
	Alice Hadley	do	do	14.84		
20	Adelia Minnie Stewart	do	do	14.84		
20	Mary Henderson	do	do	11.64		
20	Lilibie A. Connor	do	do	14.84		
20	Ragna Kristensen	do	do	14.84		
20	Lilie Flood	do	do	14.84		
20	Mollie Scanlan	do	do	14.84		
20	Gussie Walsh	do	do	14.84		
20	Tessie C. Harvey	do	do	14.84		
20	Bertha P. Quinn	do	do	9.89		
20	W. S. Rafe	do	do	13.85		
20	Christ A. Herrmann	do	do	11.87		
20	John Flaherty	do	do	19.78		
20	Archibald Campbell	do	do	17.80		
20	Thos. G. Clark	do	do	21.76		
20	Richard J. Healy	do	do	11.87		
20	Chas. H. Smith	do	do	19.78		
20	John Parker	do	do	19.78		
20	Peter Tracy	do	do	19.78		
20	Chas. C. Rummel	do	do	19.78		
20	C. H. Callings	do	do	17.80		
20	Wm. C. Kleiman	do	do	17.80		
20	W. W. Bingham	do	do	17.80		
20	C. M. Campbell	do	do	17.80		
20	H. E. Woodford	do	do	17.80		
20	F. F. Noron	do	do	17.80		
20	W. McCullough	do	do	17.80		
20	Clarence S. Thompson	do	do	51.43		
20	S. L. Coleman	do	do	17.80		
20	John E. Miller	do	do	38.90		
20	D. B. Sayre	do	do	115.40		\$52.00
20	S. Stewart	do	do	153.40		
20	do	do	do	64.29		
20	S. W. McGraw	do	do	119.29		
22	Wm. Hill	do	do	19.23		
22	John Hatch	do	do	43.96		
22	A. Hoen & Co	do	do			
23	E. Balzer	do	do			
23	F. H. Bernard	do	do			

25	Geo. B. Rose .....	Jersey City		82.40
23	Mo. Conklin .....	do	Salary for June 15 to 30	43.94
23	Jas Fielding .....	Chicago	Salary for June	74.20
23	Thos. Somerville & Sons .....	Jersey City	Sealing press	5.03
25	Sharp & Smith .....	do	Salary for June 15 to 30	43.94
25	D. R. Hobart .....	do	Foreeps, etc.	43.94
25	Geo. C. Toffey .....	do	do	43.94
25	J. H. Phelan .....	do	do	43.94
25	D. F. Shea .....	do	do	43.94
25	W. H. Cooper .....	do	do	61.54
25	Jos. Locke .....	do	do	43.94
25	D. E. Salmon .....	Chicago	Expenses June 14 to 25	97.03
25	Lewis R. Baker .....	do	Salary and expenses, June 19 to 30	52.75
25	T. W. Watson .....	South Omaha	Salary and expenses, June 17 to 30	61.54
25	Dewey & Stone Furniture Co. ....	New York	Furniture	12.35
25	Bgaardt, Ellaby & Ellsworth .....	do	Hardware	74.50
25	T. Judson Kilpatrick .....	do	Office rent	12.00
25	John Bingham .....	Jersey City	Stationery	41.55
25	do .....	Chicago	do	14.55
28	V. T. Atkinson .....	Kansas City	Expenses, June	3.16
28	Lawton & Burman .....	do	Stationery	10.95
28	Ernest S. Dundas .....	do	Freight	8.94
28	Edward Allen .....	do	Stencils	6.50
28	Shipley Bros .....	do	Bells for boxes	12.00
28	H. V. Graf & Co .....	do	Awnings	15.00
28	Richards & Conover Hardware Co. ....	do	Hardware	19.05
28	Liensner & Mathews .....	do	Do	20.10
28	R. Slater .....	do	Varnish, etc.	40.00
28	Keville & Waples .....	do	Furniture	78.00
28	O. L. Boor .....	Hammond, Ind	Salary and expenses, June	131.90
28	Orlin W. Snyder .....	do	Salary for June 18 to 30	50.00
28	John Forbes .....	South Omaha	Salary for June 25 to 30	26.37
28	A. A. Winslow .....	Hammond	Salary for June	82.40
28	John R. Mitchell .....	do	do	131.90
30	Inius Huelsen .....	Jersey City	do	115.40
30	V. T. Atkinson .....	Chicago	Expenses, June	10.00
28	O. A. Kribbill .....	Hammond	Salary for June	17.80
28	Jas. L. Gerrish .....	do	do	17.80
28	S. A. Livingstone .....	do	do	17.80
28	W. Bartee .....	do	do	17.80
28	W. D. Clark .....	do	do	17.80
28	Henry Wagner .....	do	do	17.80
28	J. S. Blackum .....	do	do	17.80
28	T. H. Jordan .....	do	do	17.80
30	R. W. Hickman .....	Chicago	Expenses, June	7.05
30	Ed. R. Allen .....	Kansas City	Salary and expenses, June	131.90
31	William Hill .....	Chicago	Salary for June 22 to 23	5.00
31	C. H. Hansen .....	do	Meat hooks, etc.	16.75
31	John W. Scott .....	Kansas City	Salary for June	131.90
31	Charles E. Gragg .....	do	do	131.90
31	M. S. Michener .....	do	do	82.40

*Expended from the appropriation for 1890-'91—Continued.*

## MEAT INSPECTION—Continued.

31	D. E. Salmon .....		Salary for July .....	252.70	
31	E. B. Jones .....		do	126.40	
31	W. J. Cowing .....		do	168.50	
31	A. M. Fairington .....		do	189.50	
31	Robert S. Forbes .....		do	151.60	
31	Miles Fuller .....		do	151.60	
31	L. W. Stone .....		Salary for July 1 to 13	56.52	
31	Talma Drew .....		do	49.46	
31	W. P. Spurgeon .....		Salary for July .....	101.10	
31	Mary Sullivan .....		do	117.90	
31	M. T. Dent .....		do	84.20	
31	M. G. Marshall .....		do	84.20	
31	Wm. B. Cravath .....		do	101.10	
31	Wilson Carey .....		do	60.60	
	Total for month .....		\$1,833.47	1,727.34	126.13
	Salary for July 14 to 31			88.04	
	Charges "Grant's Arabs"				4.25
	Total for month .....		\$97.54	88.04	9.50
	Frances .....				
	Charges .....				
	"Grant's Arabs"				
	Total for month .....				
	Repairs .....				
	Salaries for January .....				
	Charges .....				
	Car tickets .....				
	Total for month .....				
	1891.				
Jan. 23	B. J. Laws .....			258.30	
26	Adams Express Company .....			129.20	
26	do .....			172.20	
26	do .....			193.70	
28	Capitol, North O street and South Washington Rwy Co .....			155.00	
28	Weyeon, Seaman & Benedict .....			155.00	
31	D. E. Salmon .....		do	103.30	
31	E. B. Jones .....		do	103.30	
31	W. J. Cowing .....		do	86.10	
31	A. M. Fairington .....		do	89.10	
31	Robert S. Forbes .....		do	62.00	
31	Miles Fuller .....		do	41.30	
31	George A. Martin .....		do	56.80	
31	D. G. Hatch .....		do		
31	Mary Sullivan .....		do		
31	W. P. Spurgeon .....		do		
31	Wm. B. Cravath .....		do		
31	Jas. C. Hoob .....		do		
31	M. T. Dent .....		do		
31	M. G. Marshall .....		do		
31	Wilson Carey .....		do		
31	McEville Reed .....		do		
31	D. L. McDevitt .....		do		
	Total for month .....		\$2,175.65	2,127.70	47.95

*Expended from the appropriation for 1890-'91—Continued.*

WASHINGTON AND MISCELLANEOUS—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1891.				\$120.60	\$74.90 48.75 9.60	\$52.40 2.50 1.00
Feb. 3	John C. Parker		Stationery			
	F. E. Parsons		Salary and expenses, January			
5	D. E. Salmon		Expenses, January			
10	Pennsylvania R. R. Co.		Transportation			
13	L. H. Hopkins		Berth			
13	Pullman Palace Car Co.		Expenses, Dec. 27 to Jan. 6			
16	W. Dickson		Transportation			
18	West Shore R. R.		Subscription			
20	J. D. Garville		Charges			
20	United States Express Co.		Mirror			
28	W. B. Moses & Sons		Salary for February			
28	D. E. Salmon		do			
28	E. B. Jones		do			
28	W. J. Cowing		do			
28	A. M. Farrington		do			
28	Robt. S. Forbes		do			
28	Miles Fuller		do			
28	Geo. A. Martin		do			
28	D. G. Hatch		do			
28	Mary Sullivan		do			
28	W. P. Spurgeon		do			
28	Wm. B. Cravath		do			
28	J. C. Hoe		do			
28	M. T. Dent		do			
28	M. G. Marshall		do			
28	Wilson Carey		do			
28	Medville Reed		do			
28	D. L. McDevitt		do			
			Total for month . . . . .	\$2,367.19	251.64	72.85
Mar. 4	Library Bureau			2,042.70		
10	F. E. Parsons		Card case			
11	John C. Parker		Salary and expenses, February, 23 days			
16	Pennsylvania R. R. Co.		Stationery			
16	Boston and Maine R. R.		Transportation			
16	Adams Express Co.		do			
16	Maurice Joyce		Charges			
18	Charles Burgess		American Shire Horse Stud Book			
18	Charles F. Mills		American Clydesdale Stud Book			
18	Thomas B. Wales		Holstein-Friesian Herd Book			

	Transportation .....	3.92	...
	Typewriter Car tickets		
	American Oxford Down Record .....	80.00	80.00
	Standard Poland China Record .....	20.83	20.83
	American Southdown Record .....	12.65	12.65
	Transportation .....	11.00	11.00
		3.00	3.00
19	Chicago, Milwaukee and St. Paul Rwy. Co.	23.55	23.55
20	Wyckoff, Seaman and Benedict	...	...
20	Capitol, North O street, and South Washington Rwy. Co.		
20	W. A. Shaford .....		
20	Ira K. Alderman .....		
20	Phil M. Springer .....		
23	Philadelphia, Cincinnati, Chicago and St. Louis Rwy. Co.		
25	Thos. McFarlane .....		
25	F. W. Wicks .....		
27	Lawyers Cooperative Publishing Co		
31	Easton & Rupp .....		
31	D. E. Salmon .....		
31	E. B. Jones .....		
31	W. J. Cowing .....		
31	A. M. Farrington .....		
31	Roft S. Forbess .....		
31	Miles Fuller .....		
31	Geo. A. Martin .....		
31	D. G. Hatch .....		
31	Mary Sullivan .....		
31	W. T. Spurgon .....		
31	Win. B. Cravath .....		
31	Jas. C. Hooe .....		
31	M. T. Dent .....		
31	M. G. Marshall .....		
31	Wilson Carey .....		
31	D. L. McDevitt .....		
31	McEville Reed .....		
31	Andrew J. Ohn .....		
	Total for month .....	\$2,590.36	248.08
		2,254.88	248.08
			22.45
			33.25
	Frances .....		
	Rental .....		
	Soap books .....		
	Salary and expenses, March .....	137.80	9.61
	Stamps .....		
	Furniture .....		
	Rental .....		
	American Jack Stock Send Book .....		
	Transportation .....		
		12.00	
	"Diseases of the Horse" .....		
	20,000 copies .....		
	Record book .....		
	Charges .....		
	Percheron Stud Book of France .....		
	Books .....		
	Typewriter, etc. ....		
			10,090.08
			23.00
			3.40
			10.00
			29.64
			127.50

Apr. 1	B. J. Laws .....		
2	Cheapeake and Potomac Telephone Co.		
3	Easton & Rupp .....		
14	E. E. Parsons .....		
16	H. Baumgarten .....		
16	W. B. Moses & Sons .....		
16	Columbia Phonograph Co. ....		
16	W. H. Goodpasture .....		
16	Chicago, Rock Island and Pacific Rwy. Co. ....		
17	Frank W. Palmer .....		
17	"do" .....		
17	U. S. Express Co. ....		
21	S. D. Thompson .....		
21	B. Westermann & Co. ....		
21	Wyckoff, Seaman & Benedict .....		

*Expended from the appropriation for 1890-'91—Continued*

WASHINGTON AND MISCELLANEOUS—Continued.

31	Geo. A. Martin.....	do	153.40	
31	D. G. Hatch.....	do	136.20	
31	Mary Sullivan.....	do	119.20	
31	T. H. Netherland.....	do	119.20	
31	Wm. B. Cravath.....	do	102.20	
31	J. C. Hooe.....	do	102.20	
31	Chas. P. Salisbury.....	Salary for May, 16 to 31	46.15	
31	M. T. Dent.....	Salary for May.....	85.20	
31	M. G. Marshall.....	do	85.20	
31	A. J. Olin.....	do	85.20	
31	Wilson Carey.....	do	61.40	
31	D. L. McDevitt.....	do	56.20	
31	McIlvile Reed.....	do	51.00	
31	Amy Rand.....	do	39.00	
			2, 408.65	47.62
		Total for month .....	\$4,072.63	1,616.36
<hr/>				
<b>June 1</b>				
3	F. E. Parsons.....	Salary and expenses, May	136.20	88.96
3	W. B. Moses & Sons.....	Furniture.....		110.00
3	Rand, McNally & Co.....	Mans.		17.00
3	Wyckoff, Seamans & Benedict.....	Cabinet.		45.00
4	John L. Gordon.....	Hampshire Down Flock Record.		2.00
8	L. M. Daizell.....	Salary for Apr.-16 to May 31.....	58.50	
15	James P. Kersey.....	Salary for June, 10 to 15.....	13.50	
15	Jos. McClelland.....	Salary for June, 2 to 15.....	36.00	
16	Chicago and Northwestern Rwy. Co.....	Transportation.....		16.01
18	John C. Parker.....	Typewriter, etc.		96.00
18	John do.....	Stationery.		37.31
18	Thos. B. Wales.....	Holstein-Friesian Herd Book.		2.75
18	C. R. Thomas.....	American Hereford Record.		5.25
18	Library Bureau.....	Stationery.		9.00
19	C. B. Michener.....	Salary and expenses, June 1 to 5.....	40.00	22.50
19	W. B. Moses & Sons.....	Furniture.....		109.00
23	Adams Express Co.....	Charges.		7.35
23	Wyckoff, Seamans & Benedict.....	Cabinet, etc.		77.00
26	Louis Baessell & Son.....	Freighting.		90.00
27	East Tennessee, Virginia and Georgia Rwy. Co.....	Transportation.....		16.00
29	U.S. Express Co.....	Charges.		14.00
30	D. E. Salmon.....	Salary for June		
30	E. B. Jones.....	do	247.25	
30	Ch. J. Michener.....	do	123.40	
36	W. J. Cowing.....	do	171.70	
30	A. M. Farrington.....	do	161.80	
30	Robt. S. Forbes.....	do	185.40	
30	Geo. A. Martin.....	do	164.80	
30	D. G. Hatch.....	do	148.30	
30	Mary Sullivan.....	do	131.90	
30	W. P. Spurgeon.....	do	115.40	
30	T. H. Netherland.....	do	115.40	
30	Wm. B. Cravath.....	do	115.40	
			98.90	

*Expended from the appropriation for 1890-'91—Continued.*

WASHINGTON AND MISCELLANEOUS—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
June 30	J. C. Hooe		Salary for June.....	\$98.90		
30	Chas. P. Salisbury		do.....	98.90		
30	M. T. Dent		do.....	82.40		
30	M. G. Marshall		do.....	82.40		
30	A. J. Olin		do.....	82.40		
30	Wilson Cary		do.....	59.30		
30	D. L. McDevitt		do.....	54.40		
30	Melville Reed		do.....	49.50		
30	Army Band		do.....	39.00		
30	B. Z. Wade		Salary for June, 5 to 30.....	33.00		
			Total for month .....	\$3,512.38	2,747.25	\$143.47
						\$621.66
July 11	Royce & Marean		Electric bells.....			37.20
11	do		Battery fluid.....			1.40
16	F. E. Parsons		Salary and expenses, June.....	131.90	12.25	33.00
16	Cheapeake and Potomac Telephone Co.		Rental.....			
17	Lawyers' Coöperative Publishing Co.		United States Supreme Court Reports.....			
20	Wyckoff, Seaman & Benedict		Copyholder.....			
23	Z. D. Gilman		Ink.....			
28	John C. Parker		Stationery.....			
28	Shanahan, Reilly & Co.		Paint, etc.....			
28	Columbia Phonograph Co		Rental.....			
30	Easton & Rupp		Scrap books.....			
20	Library Bureau		Cardcase.....			
			Total for month .....	\$917.70	131.90	12.25
						773.55
Aug. 3	W. B. Moses & Sons		Furniture.....			
5	Great Northern R. R. Co.		Transportation.....			
10	Chicago, Milwaukee and St. Paul R. R. Co.		do.....			
10	Pennsylvania R. R. Co.		Charges.....			
17	Adams Express Co.		Cardcase base.....			
19	Library Bureau		Screen.....			
27	Barber & Ross		Total for month .....	\$785.74	38.59	747.15



